ALINCO

DR-570T/E

Service Manual

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SPECIFICATIONS

■ General

Frequency Coverage	144.00–147.995 MHz (TX), 130–169.995 MHz (RX) 440.00–449.995 MHz (TX) (RX) (U. S. Version) 144.00–145.9875 MHz (TX), 130–169.9875 MHz (RX) 430–440 MHz (Europe Version)
Frequency Resolution	5, 10, 12.5, 20 and 25 kHz, steps
Antenna Impedance	50 ohms unbalanced
Power Supply Requirement	13.8 Volts D. C.
Current Drain at 13.8 V	Receiving Squelched: does not exceed 600 mA Transmitting High: 45 W approx. 10.0 A at VHF Low: 5 W approx. 4.0 A at VHF High: 35 W approx. 11.0 A at UHF Low: 5 W approx. 4.0 A at UHF
Dimension	150 mm (W)×50 mm (H)×173 mm (D) (5⅞"×2"×6⅞")
Weight	Approx. 1.6 kgs (3.74 lbs.)

■ Transmitter

Output Power	High: Approx. 45 Watts at VHF, Approx. 35 Watts at UHF Low: Approx. 5 Watts at both bands
Emission Mode	F3 (FM)
Modulation System	Variable Reactance F. M.
Max. Frequency Deviation	±5 kHz
Spurious Emission	More than 60 dB below carrier
Microphone	Electret Condenser Microphone
Operating Mode	Simplex Duplex: ±600 kHz from receive frequency at VHF : ±5 MHz from receive frequency at UHF
DTMF Encoder	Built in (DR-570T)

■ Receiver

Receiving System	Superheterodyne, dual Conversion
Modulation acceptance	F3 (FM)
Intermediate Frequency	1st 10.7 MHz 2nd 455 kHz at VHF 1st 30.825 MHz 2nd 455 kHz at UHF
Sensitivity	12 dB SINAD −16 dBμ
Selectivity	More than ±6 kHz at −6 dB Less than ±12 kHz at −60 dB
Audio Power Output	More than 2.0±0.5 W
Speaker Impedance	8 ohms

■ PARTS LIST

Ref. No.	Part Code	Part Name and Number
VOL Unit		
VR1	**RV0013**	Volume, RK0972211
VR2	**RV0012**	Volume, RK0972210
Ⓝ	**UE0062**	Post with Base, PI22B09M
VHF Main Unit		
R1E	**RK0054**	Chip R, MCR10 15 kΩ (DR-570E only)
R2E	**RK0052**	Chip R, MCR10 10 kΩ (DR-570E only)
R3E	**RK0052**	Chip R, MCR10 10 kΩ (DR-570E only)
R4E	**RK0052**	Chip R, MCR10 10 kΩ (DR-570E only)
R5E	**RK0072**	Chip R, MCR10 180 kΩ (DR-570E only)
R6E	**RK0069**	Chip R, MCR10 100 kΩ (DR-570E only)
R7E	**RK0039**	Chip R, MCR10 2.2 kΩ (DR-570E only)
R8E	**RK0045**	Chip R, MCR10 4.7 kΩ (DR-570E only)
R9E	**RK0018**	Chip R, MCR10 100Ω (DR-570E only)
R10E	**RK0086**	Chip R, MCR10 1 MΩ (DR-570E only)
R12E	**RK0039**	Chip R, MCR10 2.2 kΩ (DR-570E only)
C1E	**CU8002**	Chip C, C2012B1H 0.01 µF (DR-570E only)
C2E	**CU8002**	Chip C, C2012B1H 0.01 µF (DR-570E only)
C3E	**CU8002**	Chip C, C2012B1H 0.01 µF (DR-570E only)
C4E	**CU8002**	Chip C, C2012B1H 0.01 µF (DR-570E only)
C5E	**CE0200**	Chemical C, UW 50 V 2.2 µF (DR-570E only)
C6E	**CS0059**	Chip Tantal, TMC0J226 (DR-570E only)
C7E	**CU8038**	Chip C, CM316Y1E 1 µFZ (DR-570E only)
C8E	**CE0189**	Chemical C, TWSS 100 µF/16 V (DR-570E only)
IC1E	**XA0097**	IC, NJM 4558M (DR-570E only)
IC2E	**XA0093**	IC, NJU 4069UBM (DR-570E only)
IC3E	**XA0092**	IC, NJU 4020BM (DR-570E only)
Q1E	**XU0022**	Digital Transistor, DTA114EK (DR-570E only)
X1E	**XB0001**	FAR, C4CA03580000K01 (DR-570E only)
CN TB	**UE0070**	Post with Base, PI22A04M (DR-570E only)
IC1	**XA0070**	IC, MC3361D
IC2	**XA0079**	IC, µPC1241H
IC3	**XA0091**	IC, TMA247
Q1	**XE0013**	FET, 3SK184S
Q2	**XE0017**	FET, 3SK179L
Q3	**XT0081**	Transistor, 2SC2714Y
Q4	**XT0031**	Transistor, 2SC2712Y
Q5	**XT0031**	Transistor, 2SC2712Y
Q7	**XT0031**	Transistor, 2SC2712Y
Q8	**XT0031**	Transistor, 2SC2712Y
Q9	**XT0031**	Transistor, 2SC2712Y
Q10	**XT0061**	Transistor, 2SB1132Q
Q11	**XT0061**	Transistor, 2SB1132Q
Q12	**XU0012**	Digital Transistor, DTC114EK
Q13	**XT0081**	Transistor, 2SC2714Y
Q14	**XT0081**	Transistor, 2SC2714Y
Q15	**XT0081**	Transistor, 2SC2714Y
Q16	**XU0022**	Digital Transistor, DTA114EK
Q17	**XT0077**	Transistor, 2SC3326A
Q18	**XT0030**	Transistor, 2SC3356
Q19	**XT0081**	Transistor, 2SC2714Y
Q20	**XT0084**	Transistor, 2SC2954
Q21	**XU0003**	Digital Transistor, DTC114TK
D1	**XD0057**	Diode, 1SS184
D2	**XD0112**	Varicap, 1SV128
D3	**XD0097**	Diode, 1SS268
D4	**XD0100**	Varicap, 1SV164
D5	**XD0100**	Varicap, 1SV164
D6	**XD0100**	Varicap, 1SV164
D7	**XD0100**	Varicap, 1SV164
D8	**XD0100**	Varicap, 1SV164
D9	**XD0057**	Diode, 1SS184
D10	**XD0103**	Diode, 1SS226
D11	**XD0057**	Diode, 1SS184
D12	**XD0057**	Diode, 1SS184
D13	**XD0057**	Diode, 1SS184
D14	**XD0057**	Diode, 1SS184
D15	**XD0104**	Zener Diode, 02CZ6.2Y
D16	**XD0097**	Diode, 1SS268
D17	**XD0058**	Diode, 1SS181
D18	**XD0113**	Zener Diode, 02CZ4.3Y
D19	**XD0100**	Varicap, 1SV164
D20	**XD0103**	Diode, 1SS226
D21	**XD0038**	Diode, 1SS133
R1	**RK0039**	Chip R, MCR10 2.2 kΩ
R2	**RK0048**	Chip R, MCR10 6.8 kΩ
R3	**RK0052**	Chip R, MCR10 10 kΩ
R4	**RK0039**	Chip R, MCR10 2.2 kΩ
R5	**RK0045**	Chip R, MCR10 4.7 kΩ
R6	**RK0052**	Chip R, MCR10 10 kΩ
R7	**RK0059**	Chip R, MCR10 33 kΩ
R8	**RK0018**	Chip R, MCR10 100Ω
R9	**RK0052**	Chip R, MCR10 10 kΩ
R10	**RK0018**	Chip R, MCR10 100Ω
R11	**RK0069**	Chip R, MCR10 100 kΩ
R12	**RK0069**	Chip R, MCR10 100 kΩ
R13	**RK0069**	Chip R, MCR10 100 kΩ
R14	**RK0069**	Chip R, MCR10 100 kΩ
R15	**RK0035**	Chip R, MCR10 1 kΩ
R16	**RK0062**	Chip R, MCR10 47 kΩ
R17	**RK0045**	Chip R, MCR10 4.7 kΩ
R18	**RK0011**	Chip R, MCR10 47Ω
R19	**RK0074**	Chip R, MCR10 270 kΩ
R20	**RK0018**	Chip R, MCR10 100Ω
R22	**RK0039**	Chip R, MCR10 2.2 kΩ
R23	**RK0042**	Chip R, MCR10 3.3 kΩ
R24	**RK0038**	Chip R, MCR10 1.8 kΩ
R25	**RK0018**	Chip R, MCR10 100Ω
R26	**RK0045**	Chip R, MCR10 4.7 kΩ
R27	**RK0076**	Chip R, MCR10 330 kΩ
R28	**RK0035**	Chip R, MCR10 1 kΩ
R29	**RK0065**	Chip R, MCR10 68 kΩ
R31	**RK0059**	Chip R, MCR10 33 kΩ
R32	**RK0042**	Chip R, MCR10 3.3 kΩ
R33	**RK0048**	Chip R, MCR10 6.8 kΩ
R34	**RK0076**	Chip R, MCR10 330 kΩ
R35	**RK0044**	Chip R, MCR10 3.9 kΩ
R36	**RK0076**	Chip R, MCR10 330 kΩ
R37	**RK0044**	Chip R, MCR10 3.9 kΩ
R38	**RK0028**	Chip R, MCR10 470Ω
R39	**RK0052**	Chip R, MCR10 10 kΩ
R40	**RK0069**	Chip R, MCR10 100 kΩ
R41	**RK0035**	Chip R, MCR10 1 kΩ
R42	**RK0025**	Chip R, MCR10 330Ω
R43	**RK0106**	Chip R, MCR10 3.3Ω
R46	**RK0056**	Chip R, MCR10 22 kΩ
R47	**RK0076**	Chip R, MCR10 330 kΩ
R48	**RK0056**	Chip R, MCR10 22 kΩ
R49	**RK0062**	Chip R, MCR10 47 kΩ
R50	**RK0052**	Chip R, MCR10 10 kΩ
R51	**RK0052**	Chip R, MCR10 10 kΩ
R52	**RK0038**	Chip R, MCR10 1.8 kΩ
R53	**RK0038**	Chip R, MCR10 1.8 kΩ
R54	**RK0052**	Chip R, MCR10 10 kΩ
R55	**RK0062**	Chip R, MCR10 47 kΩ
R56	**RK0062**	Chip R, MCR10 47 kΩ
R57	**RK0052**	Chip R, MCR10 10 kΩ
R58	**RK0056**	Chip R, MCR10 22 kΩ
R59	**RK0035**	Chip R, MCR10 1 kΩ
R60	**RK0018**	Chip R, MCR10 100Ω
R61	**RK0076**	Chip R, MCR10 330 kΩ
R62	**RK0039**	Chip R, MCR10 2.2 kΩ
R63	**RK0018**	Chip R, MCR10 100Ω
R64	**RK0006**	Chip R, MCR10 27Ω
R65	**RK0039**	Chip R, MCR10 2.2 kΩ
R66	**RK0018**	Chip R, MCR10 100Ω
R67	**RK0035**	Chip R, MCR10 1 kΩ
R71	**RK0052**	Chip R, MCR10 10 kΩ
R72	**RK0052**	Chip R, MCR10 10 kΩ
R73	**RK0052**	Chip R, MCR10 10 kΩ
R74	**RK0056**	Chip R, MCR10 22 kΩ
R75	**RK0018**	Chip R, MCR10 100Ω
R76	**RK0018**	Chip R, MCR10 100Ω
R77	**RK0039**	Chip R, MCR10 2.2 kΩ
R78	**RK0035**	Chip R, MCR10 1 kΩ
R79	**RK0056**	Chip R, MCR10 22 kΩ
R80	**RK0045**	Chip R, MCR10 4.7 kΩ
R81	**RK0014**	Chip R, MCR10 68Ω
R82	**RK0018**	Chip R, MCR10 100Ω
R83	**RK0025**	Chip R, MCR10 330Ω
R84	**RK0037**	Chip R, MCR10 1.5 kΩ
R85	**RK0011**	Chip R, MCR10 47Ω
R86	**RK0001**	Chip R, MCR10 10Ω
R87	**RK0069**	Chip R, MCR10 100 kΩ
R88	**RK0069**	Chip R, MCR10 100 kΩ
R89	**RK0028**	Chip R, MCR10 470Ω
R90	**RK0076**	Chip R, MCR10 330 kΩ
J1	**RK0107**	Chip R, MCR10 0Ω
J2	**RK1107**	Chip R, MCR18 0Ω
J3	**RK0107**	Chip R, MCR10 0Ω
C1	**CU8001**	Chip C, C2012B1H 0.001 µF
C2	**CU8001**	Chip C, C2012B1H 0.001 µF
C3	**CU8001**	Chip C, C2012B1H 0.001 µF
C4	**CU8001**	Chip C, C2012B1H 0.001 µF
C5	**CU8001**	Chip C, C2012B1H 0.001 µF
C6	**CU0027**	Chip C, C2012CH1H 47 pF
C7	**CU8001**	Chip C, C2012B1H 0.001 µF
C8	**CU8001**	Chip C, C2012B1H 0.001 µF
C9	**CU8001**	Chip C, C2012B1H 0.001 µF
C10	**CU8002**	Chip C, C2012B1H 0.01 µF
C11	**CU8001**	Chip C, C2012B1H 0.001 µF
C12	**CU8001**	Chip C, C2012B1H 0.001 µF
C14	**CU0001**	Chip C, C2012CH1H 0.5 pF
C15	**CU0029**	Chip C, C2012CH1H 56 pF
C16	**CU0001**	Chip C, C2012CH1H 0.5 pF
C17	**CU0029**	Chip C, C2012CH1H 56 pF
C18	**CU8002**	Chip C, C2012B1H 0.01 µF
C19	**CU0035**	Chip C, C2012CH1H 100 pF
C20	**CU0011**	Chip C, C2012CH1H 5 pF
C21	**CU8001**	Chip C, C2012B1H 0.001 µF
C22	**CU8001**	Chip C, C2012B1H 0.001 µF
C23	**CU8001**	Chip C, C2012B1H 0.001 µF
C24	**CU0004**	Chip C, C2012CH1H 3 pF
C25	**CU0015**	Chip C, C2012CH1H 15 pF
C26	**CU8001**	Chip C, C2012B1H 0.001 µF
C27	**CU8001**	Chip C, C2012B1H 0.001 µF
C28	**CU8001**	Chip C, C2012B1H 0.001 µF
C29	**CU0025**	Chip C, C2012CH1H 39 pF
C30	**CU0035**	Chip C, C2012CH1H 100 pF
C31	**CU8003**	Chip C, C2012B1H 0.1 µF
C32	**CU8003**	Chip C, C2012B1H 0.1 µF
C33	**CU8005**	Chip C, C2012B1H 0.0022 µF
C34	**CU8003**	Chip C, C2012B1H 0.1 µF
C35	**CU8006**	Chip C, C2012B1E 0.022 µF
C36	**CU0035**	Chip C, C2012CH1H 100 pF
C37	**CU8001**	Chip C, C2012B1H 0.001 µF
C38	**CU8002**	Chip C, C2012B1H 0.01 µF
C39	**CS0060**	Chip Tantal, TMC1E474
C40	**CE0188**	Chemical C, TWSS 47 µF/16 V
C41	**CU8003**	Chip C, C2012B1H 0.1 µF
C42	**CU8001**	Chip C, C2012B1H 0.001 µF
C43	**CU8001**	Chip C, C2012B1H 0.001 µF
C44	**CU8001**	Chip C, C2012B1H 0.001 µF
C45	**CU8006**	Chip C, C2012B1E 0.022 µF
C46	**CU8001**	Chip C, C2012B1H 0.001 µF

Ref. No.	Part Code	Part Name and Number
C47	CU8002	Chip C, C2012B1H 0.01 µF
C48	CE0189	Chemical C. TWSS 100 µF/16 V
C49	CE0188	Chemical C, TWSS 47 µF/16 V
C50	CE0188	Chemical C, TWSS 47 µF/16 V
C52	CE0188	Chemical C, TWSS 47 µF/16 V
C55	CU8003	Chip C, C2012B1H 0.1 µF
C56	CU8034	Chip C, C2012B1E 0.033 µF
C57	CU8001	Chip C, C2012B1H 0.001 µF
C58	CE0188	Chemical C, TWSS 47 µF/16 V
C59	CE0181	Chemical C, TWSS 470 µF/10 V
C61	CS0065	Chip Tantal, TMC1D684
C62	CS0065	Chip Tantal, TMC1D684
C63	CS0049	Chip Tantal, TMC1C105
C64	CU8001	Chip C, C2012B1H 0.001 µF
C65	CU0019	Chip C, C2012CH1H 22 pF
C66	CU0035	Chip C, C2012CH1H 100 pF
C67	CU0043	Chip C, C2012CH1H 220 pF
C68	CU8002	Chip C, C2012B1H 0.01 µF
C69	CU8001	Chip C, C2012B1H 0.001 µF
C70	CU0006	Chip C, C2012CH1H 5 pF
C71	CU8001	Chip C, C2012B1H 0.001 µF
C72	CU8001	Chip C, C2012B1H 0.001 µF
C73	CS0049	Chip Tantal, TMC1C105
C74	CU8001	Chip C, C2012B1H 0.001 µF
C75	CU8002	Chip C, C2012B1H 0.01 µF
C76	CU8002	Chip C, C2012B1H 0.01 µF
C77	CU8002	Chip C, C2012B1H 0.01 µF
C78	CU8001	Chip C, C2012B1H 0.001 µF
C79	CU8003	Chip C, C2012B1H 0.1 µF
C80	CU8001	Chip C, C2012B1H 0.001 µF
C81	CU8002	Chip C, C2012B1H 0.01 µF
C82	CU8001	Chip C, C2012B1H 0.001 µF
C83	CU8001	Chip C, C2012B1H 0.001 µF
C84	CE0188	Chemical C, TWSS 47 µF/16 V
C85	CU8001	Chip C, C2012B1H 0.001 µF
C86	CU0035	Chip C, C2012CH1H 100 pF
C87	CU0035	Chip C, C2012CH1H 100 pF
C88	CU0035	Chip C, C2012CH1H 100 pF
C89	CU0004	Chip C, C2012CH1H 3 pF
C90	CE0178	Chemical C, TWSS 220 µF/10 V
C91	CU8001	Chip C, C2012B1H 0.001 µF
C92	CU8001	Chip C, C2012B1H 0.001 µF
C93	CE0078	Chemical C, MS9 100 µF/25 V
C94	CU0051	Chip C, C2012CH1H 470 pF
C95	CU8001	Chip C, C2012B1H 0.001 µF
C96	CU0051	Chip C, C2012CH1H 470 pF
C97	CU8001	Chip C, C2012B1H 0.001 µF
C98	CU8001	Chip C, C2012B1H 0.001 µF
C99	CU0015	Chip C, C2012CH1H 15 pF
C100	CE0044	Chemical C, MSS 10 µF/16 V
C101	CU0051	Chip C, C2012CH1H 470 pF
C102	CU8001	Chip C, C2012B1H 0.001 µF
C103	CU8001	Chip C, C2012B1H 0.001 µF
C104	CU0051	Chip C, C2012CH1H 470 pF
C105	CU8001	Chip C, C2012B1H 0.001 µF
C106	CU0019	Chip C, C2012CH1H 22 pF
C107	CU8001	Chip C, C2012B1H 0.001 µF
C108	CU8001	Chip C, C2012B1H 0.001 µF
C109	CU8001	Chip C, C2012B1H 0.001 µF
C110	CU0029	Chip C, C2012CH1H 56 pF
C111	CU0011	Chip C, C2012CH1H 10 pF
C112	CU0011	Chip C, C2012CH1H 10 pF
C113	CU8001	Chip C, C2012B1H 0.001 µF
C114	CU0023	Chip C, C2012CH1H 33 pF
L1	QC0045	Chip Coil, NL322522T-3R3M
L2	QA0057	Coil, Frond End BPF
L3	QA0057	Coil, Frond End BPF
L4	QA0057	Coil, Frond End BPF
L5	QA0057	Coil, Frond End BPF
L6	QA0058	Coil
L7	QA0039	Coil
L8	QA0039	Coil
L9	QA0041	Coil, 455 kHz
L10	QC0050	Chip Coil, LQH4N-102K
L11	QC0034	Chip Coil, NL322522T-R39M
L12	QC0065	Chip Coil, NL322522T-068M

Ref. No.	Part Code	Part Name and Number
L13	QC0067	Chip Coil, NL322522T-R10M
L14	QC0062	Chip Coil, NL322522T-039M
CF1	XC0001	Cheramic Filter, CFW455F
XF1	XF0004	X'tal Filter, 49/U 10.7 MHz
X1	XQ0033	X'tal, 49/U 10.245 MHz
X2	XQ0038	X'tal, HC-49/U 12.8 MHz
TH1	XS0004	Thermistor, TD5150D
	TT1001	Elastic Tube, Ø0.7×10 mm
	TZ0030A	Insulating Paper, UM-2 type
TC1	CT0028	Trimmer C, ECRJA006A12
VR1	RH0054	VR, CVR-42A-224AW1D
VR2	RH0037	VR, CVR-42A-471AW1D
VR3	RH0031	VR, CVR-42A-103AW1D
Ⓖ	UE0043	Post with Base, PI22A02M
Ⓘ	UE0043	Post with Base, PI22A02M
SP	UE0043	Post with Base, PI22A02M
Ⓒ	UE0043	Post with Base, PI22A02M
Ⓛ	UE0050	Post with Base, PI22A08M
Ⓗ	UE0069	Post with Base, PI22A03M
Ⓚ	UE0071	Post with Base, PI22A05M
Ⓙ	UE0071	Post with Base, PI22A05M
TB	UE0070	Post with Base, PI22A04M (DR-570E only)
PJ1	UE0041	Mini Pin Jack, TMP-J01X-V6
W32	UX0131	Line Material, 570HX

UHF Main Unit

TC1	CT0021	Trimmer C, ECRJA010A12
TC2	CT0028	Trimmer C, ECRJA006A12
TC3	CT0028	Trimmer C, ECRJA006A12
VR1	RH0031	VR, CVR-42A-103AW1D
VR2	RH0037	VR, CVR-42A-471AW1D
VR3	RH0031	VR, CVR-42A-103AW1D
VR4	RH0038	VR, CVR-42A-473AW1D
VR5	RH0051	VR, CVR-42A-472AW1D
VR6	RH0038	VR, CVR-42A-473AW1D
VR7	RH0031	VR, CVR-42A-103AW1D
Ⓐ	UE0072	Post with Base, PI22A06M
Ⓑ	UE0071	Post with Base, PI22A05M
Ⓒ	UE0043	Post with Base, PI22A02M
Ⓓ	UE0071	Post with Base, PI22A05M
Ⓔ	UE0043	Post with Base, PI22A02M
Ⓕ	UE0072	Post with Base, PI22A06M
PJ1	UE0075	Mini Pin Jack, TMP-J01X-A2
PJ2	UE0075	Mini Pin Jack, TMP-J01X-A2
PJ3	UE0041	Mini Pin Jack, TMP-J01X-V6
XF1	XF0005	X'tal Filter, UM-2 30.825 MHz
CF1	XC0001	Ceramic Filter, CFW455F
X1	XQ0034	X'tal Filter, HC-49/T 30.37 MHz
TH1	XS0004	Thermistor, TD5 150D
	TS0023	Coil Case, 10×10×13
	TZ0030A	Insulating Paper, UM-2 type
IC1	XA0070	IC, MC3361D
IC2	XA0075	IC, NJM78L08UA-TE1
Q1	XE0013	FET, 3SK 184S
Q2	XE0002	FET, 2SK 125

Ref. No.	Part Code	Part Name and Number
Q3	XE0013	FET, 3SK 184S
Q4	XT0081	Transistor, 2SC2714Y
Q5	XT0031	Transistor, 2SC2712Y
Q6	XT0031	Transistor, 2SC2712Y
Q7	XT0017	Transistor, 2SA1162Y
Q8	XT0041	Transistor, FMW1
Q9	XT0041	Transistor, FMW1
Q10	XT0031	Transistor, 2SC2712Y
Q11	XT0031	Transistor, 2SC2712Y
Q12	XT0087	Transistor, 2SC2759U23
Q13	XT0077	Transistor, 2SC3326A
Q14	XU0012	Digital Transistor, DTC114EK
Q15	XT0087	Transistor, 2SC2759U23
Q16	XT0048	Transistor, 2SC3357
Q17	XT0078	Transistor, 2SC3369
Q18	XT0061	Transistor, 2SB1132Q
Q19	XT0061	Transistor, 2SB1132Q
Q20	XU0012	Digital Transistor, DTC114EK
Q21	XT0031	Transistor, 2SC2712Y
Q22	XT0031	Transistor, 2SC2712Y
Q23	XT0031	Transistor, 2SC2712Y
Q24	XU0003	Digital Transistor, DTC114TK
D1	XD0057	Diode, 1SS184
D2	XD0103	Diode, 1SS226
D3	XD0057	Diode, 1SS184
D4	XD0104	Zener Diode, 02CZ6.2Y
D5	XD0112	Varicap, 1SV128
D6	XD0112	Varicap, 1SV128
D7	XD0057	Diode, 1SS184
D8	XD0057	Diode, 1SS184
D9	XD0115	Zener Diode, 1SS196
D10	XD0057	Diode, 1SS184
D11	XD0057	Diode, 1SS184
D12	XD0058	Diode, 1SS181
D13	XD0058	Diode, 1SS181
D14	XD0113	Zener Diode, 02CZ4.3Y
D15	XD0057	Diode, 1SS184
D16	XD0057	Diode, 1SS184
L1	QK0050	Air Core Coil, 5×5 Square
L2	QK0036	Air Core Coil, 3Ø 1.5T
L3	QA0061	Coil, 435M×2-10 MHz
L4	QA0061	Coil, 435M×2-10 MHz
L5	QC0055	Chip Coil, NL322522T-010M (DR-570E only)
L5	QC0057	Chip Coil, NL322522T-015M (DR-570T only)
L6	QK0050	Air Core Coil, 5×5 Square
L7	QC0071	Chip Coil, NL322522T-R22M
L8	QA0042	Coil
L9	QA0043	Coil
L10	QC0039	Chip Coil, NL322522T-1R0M
L11	QA0041	Coil, 455 kHz
L12	QC0059	Chip Coil, NL322522T-022M
L13	QC0061	Chip Coil, NL322522T-033M
L14	QC0055	Chip Coil, NL322522T-010M
L15	QC0055	Chip Coil, NL322522T-010M
L16	QC0055	Chip Coil, NL322522T-010M
L17	QK0039	Air Core Coil, 0.8-3Ø-2.5T
L18	QK0054	Air Core Coil, 0.8-3Ø-1.5T
C1	CU0035	Chip C, C2012CH1H 100 pF
C2	CU0004	Chip C, C2012CH1H 3 pF
C3	CU0035	Chip C, C2012CH1H 100 pF
C4	CU8001	Chip C, C2012B1H 0.001 µF
C5	CU8001	Chip C, C2012B1H 0.001 µF
C6	CU8001	Chip C, C2012B1H 0.001 µF
C7	CU0002	Chip C, C2012CH1H 1 pF
C8	CU0025	Chip C, C2012CH1H 39 pF
C9	CU8001	Chip C, C2012B1H 0.001 µF
C10	CU8001	Chip C, C2012B1H 0.001 µF
C11	CU8001	Chip C, C2012B1H 0.001 µF
C12	CU0002	Chip C, C2012CH1H 1 pF (DR-570E only)
C13	CU0023	Chip C, C2012CH1H 33 pF
C14	CU8001	Chip C, C2012B1H 0.001 µF

Ref. No.	Part Code	Part Name and Number
C15	CU0035	Chip C, C2012CH1H 100 pF
C16	CU8001	Chip C, C2012B1H 0.001 µF
C17	CU0006	Chip C, C2012CH1H 5 pF
C18	CU0011	Chip C, C2012CH1H 10 pF
C19	CU0011	Chip C, C2012CH1H 10 pF
C20	CU8001	Chip C, C2012B1H 0.001 µF
C21	CU0007	Chip C, C2012CH1H 6 pF
C22	CU0035	Chip C, C2012CH1H 100 pF
C23	CU8001	Chip C, C2012B1H 0.001 µF
C24	CU8001	Chip C, C2012B1H 0.001 µF
C25	CU8001	Chip C, C2012B1H 0.001 µF
C26	CU0011	Chip C, C2012CH1H 10 pF
C27	CU8001	Chip C, C2012B1H 0.001 µF
C28	CU0025	Chip C, C2012CH1H 39 pF
C29	CU8006	Chip C, C2012B1E 0.022 µF
C30	CU8003	Chip C, C2012B1H 0.1 µF
C31	CU8003	Chip C, C2012B1H 0.1 µF
C32	CU8003	Chip C, C2012B1H 0.1 µF
C33	CU0051	Chip C, C2012CH1H 470 pF
C34	CE0188	Chemical C, TWSS 47 µF/16 V
C35	CU8002	Chip C, C2012B1H 0.01 µF
C36	CU8002	Chip C, C2012B1H 0.01 µF
C37	CU8003	Chip C, C2012B1H 0.1 µF
C38	CU8002	Chip C, C2012B1H 0.01 µF
C39	CS0060	Chip Tantal, TMC1E474
C41	CU8034	Chip C, C2012B1E 0.033 µF
C42	CU8034	Chip C, C2012B1E 0.033 µF
C43	CU8001	Chip C, C2012B1H 0.001 µF
C44	CS0064	Chip Tantal, TMC1A155
C45	CU8001	Chip C, C2012B1H 0.001 µF
C46	CU8024	Chip C, C2012B1H 0.0047 µF
C47	CU8001	Chip C, C2012B1H 0.001 µF
C48	CU8024	Chip C, C2012B1H 0.0047 µF
C49	CS0065	Chip Tantal, TMC1D684
C50	CS0065	Chip Tantal, TMC1D684
C51	CS0049	Chip Tantal, TMC1C105
C52	CU8001	Chip C, C2012B1H 0.001 µF
C53	CQ0009	Film C, ECQB1H 332 kHz
C70	CU8002	Chip C, C2012B1H 0.01 µF
C72	CE0200	Chemical C, UW 50 V 2.2 µF
C73	CU8002	Chip C, C2012B1H 0.01 µF
C74	CU8001	Chip C, C2012B1H 0.001 µF
C75	CS0049	Chip Tantal, TMC1C105
C76	CU8001	Chip C, C2012B1H 0.001 µF
C77	CU8002	Chip C, C2012B1H 0.01 µF
C78	CU8002	Chip C, C2012B1H 0.01 µF
C79	CE0188	Chemical C, TWSS 47 µF/16 V
C80	CU8001	Chip C, C2012B1H 0.001 µF
C81	CU8001	Chip C, C2012B1H 0.001 µF
C82	CE0178	Chemical C, TWSS 220 µF/10 V
C83	CE0178	Chemical C, TWSS 220 µF/10 V
C84	CS0049	Chip Tantal, TMC1C105
C85	CU8002	Chip C, C2012B1H 0.01 µF
C86	CU8001	Chip C, C2012B1H 0.001 µF
C87	CU8001	Chip C, C2012B1H 0.001 µF
C88	CU0035	Chip C, C2012CH1H 100 pF
C89	CU0035	Chip C, C2012CH1H 100 pF
C90	CU0035	Chip C, C2012CH1H 100 pF
C91	CU8001	Chip C, C2012B1H 0.001 µF
C92	CU0004	Chip C, C2012CH1H 3 pF
C93	CU8001	Chip C, C2012B1H 0.001 µF
C94	CU0006	Chip C, C2012CH1H 5 pF
C97	CU8001	Chip C, C2012B1H 0.001 µF
C98	CU8001	Chip C, C2012B1H 0.001 µF
C99	CU8001	Chip C, C2012B1H 0.001 µF
C100	CU8001	Chip C, C2012B1H 0.001 µF
C102	CU8001	Chip C, C2012B1H 0.001 µF
C103	CE0188	Chemical C, TWSS 47 µF/16 V
C105	CU8001	Chip C, C2012B1H 0.001 µF
C106	CU8001	Chip C, C2012B1H 0.001 µF
C107	CU8001	Chip C, C2012B1H 0.001 µF
C108	CU8001	Chip C, C2012B1H 0.001 µF
C109	CU8001	Chip C, C2012B1H 0.001 µF
C110	CU8001	Chip C, C2012B1H 0.001 µF
C111	CU8001	Chip C, C2012B1H 0.001 µF
C113	CU8001	Chip C, C2012B1H 0.001 µF
C114	CU8001	Chip C, C2012B1H 0.001 µF

Ref. No.	Part Code	Part Name and Number
C115	CU8001	Chip C, C2012B1H 0.001 µF
C116	CU8001	Chip C, C2012B1H 0.001 µF
C118	CU8001	Chip C, C2012B1H 0.001 µF
C119	CE0189	Chemical C, TWSS 100 µF/16 V
C120	CU0023	Chip C, C2012CH1H 33 pF
C121	CE0044	Chemical C, MS5 10 µF/16 V
C122	CU0051	Chip C, C2012CH1H 470 pF
C123	CU0051	Chip C, C2012CH1H 470 pF
C124	CU0051	Chip C, C2012CH1H 470 pF
C125	CU0006	Chip C, C2012CH1H 5 pF
C126	CU0051	Chip C, C2012CH1H 470 pF
C127	CU0051	Chip C, C2012CH1H 470 pF
C128	CE0044	Chemical C, MS5 10 µF/16 V
C129	CU0051	Chip C, C2012CH1H 470 pF
C130	CU0051	Chip C, C2012CH1H 470 pF
C131	CU0017	Chip C, C2012CH1H 18 pF
C132	CU0004	Chip C, C2012CH1H 3 pF
C133	CU0051	Chip C, C2012CH1H 470 pF
C134	CU0015	Chip C, C2012CH1H 15 pF
C135	CU0051	Chip C, C2012CH1H 470 pF
C136	CU0051	Chip C, C2012CH1H 470 pF
C137	CE0044	Chemical C, MS5 10 µF/16 V
C139	CU0051	Chip C, C2012CH1H 470 pF
C140	CE0188	Chemical C, TWSS 47 µF/16 V
R1	RK0018	Chip R, MCR10 100Ω
R2	RK0059	Chip R, MCR10 33 kΩ
R3	RK0069	Chip R, MCR10 100 kΩ
R4	RK0018	Chip R, MCR10 100Ω
R5	RK0011	Chip R, MCR10 47Ω
R6	RK0107	Chip R, MCR10 0Ω
R7	RK0006	Chip R, MCR10 27Ω
R8	RK0107	Chip R, MCR10 0Ω
R9	RK0035	Chip R, MCR10 1 kΩ
R10	RK0056	Chip R, MCR10 22 kΩ
R11	RK0056	Chip R, MCR10 22 kΩ
R12	RK0022	Chip R, MCR10 220Ω
R13	RK0042	Chip R, MCR10 3.3 kΩ
R14	RK0011	Chip R, MCR10 47Ω
R15	RK0039	Chip R, MCR10 2.2 kΩ
R16	RK0042	Chip R, MCR10 3.3 kΩ
R17	RK0107	Chip R, MCR10 0Ω
R18	RK0039	Chip R, MCR10 2.2 kΩ
R19	RK0076	Chip R, MCR10 330 kΩ
R20	RK0035	Chip R, MCR10 1 kΩ
R23	RK0052	Chip R, MCR10 10 kΩ
R24	RK0059	Chip R, MCR10 33 kΩ
R25	RK0042	Chip R, MCR10 3.3 kΩ
R26	RK0048	Chip R, MCR10 6.8 kΩ
R27	RK0076	Chip R, MCR10 330 kΩ
R28	RK0044	Chip R, MCR10 3.9 kΩ
R29	RK0076	Chip R, MCR10 330 kΩ
R30	RK0044	Chip R, MCR10 3.9 kΩ
R31	RK0028	Chip R, MCR10 470Ω
R32	RK0052	Chip R, MCR10 10 kΩ
R33	RK0035	Chip R, MCR10 1 kΩ
R34	RK0039	Chip R, MCR10 2.2 kΩ
R35	RK0037	Chip R, MCR10 1.5 kΩ
R36	RK0052	Chip R, MCR10 10 kΩ
R37	RK0052	Chip R, MCR10 10 kΩ
R38	RK0036	Chip R, MCR10 1.2 kΩ
R39	RK0038	Chip R, MCR10 1.8 kΩ
R40	RK0052	Chip R, MCR10 10 kΩ
R41	RK0052	Chip R, MCR10 10 kΩ
R42	RK0056	Chip R, MCR10 22 kΩ
R43	RK0056	Chip R, MCR10 22 kΩ
R44	RK0038	Chip R, MCR10 1.8 kΩ
R45	RK0052	Chip R, MCR10 10 kΩ
R46	RK0062	Chip R, MCR10 47 kΩ
R47	RK0076	Chip R, MCR10 330 kΩ
R48	RK0052	Chip R, MCR10 10 kΩ
R53	RK0006	Chip R, MCR10 27Ω
R54	RK0039	Chip R, MCR10 2.2 kΩ
R55	RK0006	Chip R, MCR10 27Ω
R56	RK0037	Chip R, MCR10 1.5 kΩ
R57	RK0052	Chip R, MCR10 10 kΩ
R58	RK0052	Chip R, MCR10 10 kΩ

Ref. No.	Part Code	Part Name and Number
R60	RK0052	Chip R, MCR10 10 kΩ
R63	RK0056	Chip R, MCR10 22 kΩ
R64	RK0052	Chip R, MCR10 10 kΩ
R65	RK0018	Chip R, MCR10 100Ω
R66	RK0018	Chip R, MCR10 100Ω
R67	RK0039	Chip R, MCR10 2.2 kΩ
R68	RK0052	Chip R, MCR10 10 kΩ
R69	RK0059	Chip R, MCR10 33 kΩ
R70	RK0062	Chip R, MCR10 47 kΩ
R72	RK0107	Chip R, MCR10 0Ω
R74	RK0107	Chip R, MCR10 0Ω
R76	RK0062	Chip R, MCR10 47 kΩ
R77	RK0025	Chip R, MCR10 330Ω
R80	RK0069	Chip R, MCR10 100 kΩ
R81	RK0035	Chip R, MCR10 1 kΩ
R82	RK0045	Chip R, MCR10 4.7 kΩ
R83	RK0035	Chip R, MCR10 1 kΩ
R84	RK0011	Chip R, MCR10 47Ω
R85	RK0018	Chip R, MCR10 100Ω
R86	RK0011	Chip R, MCR10 47Ω
R87	RK0037	Chip R, MCR10 1.5 kΩ
R88	RK0001	Chip R, MCR10 10Ω
R89	RK0020	Chip R, MCR10 150Ω
R90	RK0010	Chip R, MCR10 39Ω
R91	RK0020	Chip R, MCR10 150Ω
R92	RK0020	Chip R, MCR10 150Ω
R93	RK0037	Chip R, MCR10 1.5 kΩ
R94	RK2010	Chip R, MCR50 33Ω
J5	RK1107	Chip R, MCR18 0Ω
J6	RK1107	Chip R, MCR18 0Ω
J7	RK1107	Chip R, MCR18 0Ω
J8	RK0107	Chip R, MCR10 0Ω

VHF PLL Unit

IC1	XA0090	IC, M54959FP
Q1	XU0014	Digital Transistor, DTC144EK
Q2	XT0031	Transistor, 2SC2712Y
Q3	XT0080	Transistor, 2SC3324B
Q4	XT0080	Transistor, 2SC3324B
Q5	XT0081	Transistor, 2SC2714Y
CN1	UE0079	Pin Header, SB2P-HVQ-CA
CN2	UE0081	Pin Header, SB6P-HVQ-CA
CN3	UE0088	Pin Header, 6027B-07Z003-T
CN4	UE0085	Pin Header, 6027B-04Z003-T
R1	RK0062	Chip R, MCR10 47 kΩ
R2	RK0062	Chip R, MCR10 47 kΩ
R3	RK0062	Chip R, MCR10 47 kΩ
R4	RK0062	Chip R, MCR10 47 kΩ
R5	RK0062	Chip R, MCR10 47 kΩ
R6	RK0056	Chip R, MCR10 22 kΩ
R7	RK0045	Chip R, MCR10 4.7 kΩ
R8	RK0062	Chip R, MCR10 47 kΩ
R9	RK0045	Chip R, MCR10 4.7 kΩ
R10	RK0052	Chip R, MCR10 10 kΩ
R11	RK0052	Chip R, MCR10 10 kΩ
R12	RK0045	Chip R, MCR10 4.7 kΩ
R13	RK0107	Chip R, MCR10 0Ω
R14	RK0022	Chip R, MCR10 220Ω
R15	RK0058	Chip R, MCR10 22 kΩ
R16	RK0052	Chip R, MCR10 10 kΩ
R17	RK0107	Chip R, MCR10 0Ω
C1	CU8006	Chip C, C2012B1E 0.022 µF
C2	CU8001	Chip C, C2012B1H 0.001 µF
C3	CU8006	Chip C, C2012B1E 0.022 µF
C4	CU8003	Chip C, C2012B1H 0.1 µF
C5	CU0035	Chip C, C2012CH1H 100 pF
C6	CU8006	Chip C, C2012B1E 0.022 µF
C7	CU0051	Chip C, C2012CH1H 470 pF
C8	CS0066	Chip Tantal, TMC1D225
C9	CS0066	Chip Tantal, TMC1D225
C10	CU8001	Chip C, C2012B1H 0.001 µF

Ref. No.	Part Code	Part Name and Number
C11	**CS0060**	Chip Tantal, TMC1E474
C12	**CU8002**	Chip C, C2012B1H 0.01 µF
C13	**CU8001**	Chip C, C2012B1H 0.001 µF
C14	**CU0006**	Chip C, C2012CH1H 5 pF
C15	**CU8001**	Chip C, C2012B1H 0.001 µF
L1	**QC0045**	Chip Coil, NL322522T-3R3M

VHF VCO Unit

Q1	**XE0010**	FET, 2SK508K52
Q2	**XT0081**	Transistor, 2SC2714Y
D1	**XD0101**	Varicap, 1SV166
D2	**XD0101**	Varicap, 1SV166
L1	**QC0045**	Chip Coil, NL322522T-3R3M
L2	**QC0045**	Chip Coil, NL322522T-3R3M
L3	**QC0045**	Chip Coil, NL322522T-3R3M
L4	**QA0059**	Coil
L5	**QC0069**	Chip Coil, NL322522T-R15K
R1	**RK0052**	Chip R, MCR10 10 kΩ
R2	**RK0018**	Chip R, MCR10 100Ω
R3	**RK0025**	Chip R, MCR10 330Ω
R4	**RK0011**	Chip R, MCR10 47Ω
R6	**RK0018**	Chip R, MCR10 100Ω
R7	**RK0045**	Chip R, MCR10 4.7 kΩ
R8	**RK0030**	Chip R, MCR10 560Ω
R9	**RK0018**	Chip R, MCR10 100Ω
J1	**RK0107**	Chip R, MCR10 0Ω
C1	**CU8001**	Chip C, C2012B1H 0.001 µF
C2	**CU8024**	Chip C, C2012B1H 0.0047 µF
C3	**CU8001**	Chip C, C2012B1H 0.001 µF
C4	**CU0001**	Chip C, C2012CH1H 0.5 pF
C5	**CU8024**	Chip C, C2012B1H 0.0047 µF
C6	**CU8024**	Chip C, C2012B1H 0.0047 µF
C7	**CU8001**	Chip C, C2012B1H 0.001 µF
C8	**CU8001**	Chip C, C2012B1H 0.001 µF
C9	**CU8001**	Chip C, C2012B1H 0.001 µF
C10	**CU0003**	Chip C, C2012CH1H 2 pF
C11	**CU0019**	Chip C, C2012CH1H 22 pF

UHF PLL Unit

IC1	**XA0090**	IC, M54959FP
Q1	**XT0080**	Transistor, 2SC3324B
Q2	**XT0080**	Transistor, 2SC3324B
Q3	**XT0080**	Transistor, 2SC3324B
Q4	**XT0082**	Transistor, 2SC3120
CN1	**UE0079**	Pin Header, SB2P-HVQ-CA
CN2	**UE0081**	Pin Header, SB6P-HVQ-CA
CN3	**UE0088**	Pin Header, 6027B-07Z003-T
CN4	**UE0085**	Pin Header, 6027B-04Z003-T
R1	**RK0062**	Chip R, MCR10 47 kΩ
R2	**RK0062**	Chip R, MCR10 47 kΩ
R3	**RK0062**	Chip R, MCR10 47 kΩ
R4	**RK0062**	Chip R, MCR10 47 kΩ
R5	**RK0062**	Chip R, MCR10 47 kΩ
R6	**RK0022**	Chip R, MCR10 220Ω
R7	**RK0040**	Chip R, MCR10 2.7 kΩ
R8	**RK0050**	Chip R, MCR10 8.2 kΩ
R9	**RK0052**	Chip R, MCR10 10 kΩ
R10	**RK0039**	Chip R, MCR10 2.2 kΩ
R11	**RK0079**	Chip R, MCR10 470 kΩ
R12	**RK0039**	Chip R, MCR10 2.2 kΩ
R13	**RK0025**	Chip R, MCR10 330Ω
R14	**RK0045**	Chip R, MCR10 4.7 kΩ
R15	**RK0039**	Chip R, MCR10 2.2 kΩ
R16	**RK0052**	Chip R, MCR10 10 kΩ
R17	**RK0062**	Chip R, MCR10 47 kΩ

Ref. No.	Part Code	Part Name and Number
C1	**CU8006**	Chip C, C2012B1E 0.022 µF
C2	**CU8001**	Chip C, C2012B1H 0.001 µF
C3	**CU8006**	Chip C, C2012B1E 0.022 µF
C4	**CU8006**	Chip C, C2012B1E 0.022 µF
C5	**CU8007**	Chip C, C2012Y1H 0.047 µF
C6	**CU8006**	Chip C, C2012B1E 0.022 µF
C7	**CS0057**	Chip Tantal, TMC0J225
C8	**CS0057**	Chip Tantal, TMC0J225
C9	**CS0063**	Chip Tantal, TMC1V104
C10	**CU0051**	Chip C, C2012CH1H 470 pF
C11	**CU8002**	Chip C, C2012B1H 0.01 µF
C12	**CU8001**	Chip C, C2012B1H 0.001 µF
C13	**CU0011**	Chip C, C2012CH1H 10 pF
C14	**CU0011**	Chip C, C2012CH1H 10 pF
L1	**QC0055**	Chip Coil, NL322522T-010M

UHF VCO Unit

Q1	**XE0010**	FET, 2SK508K52
Q2	**XT0082**	Transistor, 2SC3120
Q3	**XT0031**	Transistor, 2SC2712Y
D1	**XD0100**	Varicap, 1SV164
D2	**XD0100**	Varicap, 1SV164
D3	**XD0111**	Diode, HSK277
D4	**XD0100**	Varicap, 1SV164
L1	**QC0094**	Chip L, MLFLER015TR22M
L2	**QC0094**	Chip L, MLFLER015TR22M
L3	**QK0075**	Air Core Coil 0.6-2X5T-RM
L4	**QC0094**	Chip L, MLFLER015TR22M
L5	**QC0034**	Chip Coil, LER015TR39M
TC1	**CT0028**	Trimmer C, ECRJA006A12
TC1	**CT0028**	Trimmer C, ECRJA006A12
R1	**RK0107**	Chip R, MCR10 0Ω
R2	**RK0062**	Chip R, MCR10 47 kΩ
R3	**RK0045**	Chip R, MCR10 4.7 kΩ
R4	**RK0045**	Chip R, MCR10 4.7 kΩ
R5	**RK0050**	Chip R, MCR10 8.2 kΩ
R6	**RK0045**	Chip R, MCR10 4.7 kΩ
R7	**RK0011**	Chip R, MCR10 47Ω
R8	**RK0011**	Chip R, MCR10 47Ω
R9	**RK0018**	Chip R, MCR10 100Ω
R10	**RK0062**	Chip R, MCR10 4.7 kΩ
R11	**RK0028**	Chip R, MCR10 470Ω
C1	**CU0051**	Chip C, C2012CH1H 470 pF
C2	**CU0029**	Chip C, C2012CH1H 56 pF
C3	**CU8001**	Chip C, C2012B1H 0.001 µF
C4	**CU0006**	Chip C, C2012CH1H 5 pF
C5	**CU0006**	Chip C, C2012CH1H 5 pF
C6	**CU0001**	Chip C, C2012CH1H 0.5 pF
C8	**CU0010**	Chip C, C2012CH1H 9 pF
C9	**CU0009**	Chip C, C2012CH1H 8 pF
C10	**CU8001**	Chip C, C2012B1H 0.001 µF
C11	**CU0002**	Chip C, C2012CH1H 1 pF
C12	**CU8001**	Chip C, C2012B1H 0.001 µF
C13	**CU0051**	Chip C, C2012CH1H 470 pF

CPU Unit

IC1	**XA0088**	IC, µPD75112GF-517-3BE
IC2	**XA0089**	IC, NJM78L06UA
Q1	**XT0031**	Transistor, 2SC2712Y
Q2	**XT0031**	Transistor, 2SC2712Y
Q3	**XU0012**	Transistor, DTC114EK
Q4	**XT0061**	Transistor, 2SB1132Q
D1	**XD0057**	Diode, 1SS184
D2	**XD0057**	Diode, 1SS184
D4	**XD0057**	Diode, 1SS184
D5	**XD0057**	Diode, 1SS184 (DR-570E only)
D6	**XD0057**	Diode, 1SS184

Ref. No.	Part Code	Part Name and Number
X1	**XB0002**	FAR, C4CA0419000K01
R1	**RK0051**	Chip R, MCR10 9.1 kΩ
R2	**RK0069**	Chip R, MCR10 100 kΩ
R3	**RK0079**	Chip R, MCR10 470 kΩ
R4	**RK0079**	Chip R, MCR10 470 kΩ
R5	**RK0064**	Chip R, MCR10 56 kΩ
R6	**RK0062**	Chip R, MCR10 47 kΩ
R7	**RK0035**	Chip R, MCR10 1 kΩ
R8	**RK0035**	Chip R, MCR10 1 kΩ
R9	**RK0035**	Chip R, MCR10 1 kΩ
R10	**RK0035**	Chip R, MCR10 1 kΩ
R11	**RK0062**	Chip R, MCR10 47 kΩ
R12	**RK0062**	Chip R, MCR10 47 kΩ
R13	**RK0062**	Chip R, MCR10 47 kΩ
R22	**RK0062**	Chip R, MCR10 47 kΩ
R23	**RK0062**	Chip R, MCR10 47 kΩ
R24	**RK0062**	Chip R, MCR10 47 kΩ
R25	**RK0062**	Chip R, MCR10 47 kΩ
R26	**RK0062**	Chip R, MCR10 47 kΩ
R27	**RK0062**	Chip R, MCR10 47 kΩ
R28	**RK0062**	Chip R, MCR10 47 kΩ
R29	**RK0062**	Chip R, MCR10 47 kΩ
R30	**RK0062**	Chip R, MCR10 47 kΩ
R31	**RK0062**	Chip R, MCR10 47 kΩ
R32	**RK0062**	Chip R, MCR10 47 kΩ
R33	**RK0062**	Chip R, MCR10 47 kΩ
R34	**RK0062**	Chip R, MCR10 47 kΩ
R35	**RK0062**	Chip R, MCR10 47 kΩ
R36	**RK0062**	Chip R, MCR10 47 kΩ
R37	**RK0062**	Chip R, MCR10 47 kΩ
R38	**RK0062**	Chip R, MCR10 47 kΩ
R39	**RK0062**	Chip R, MCR10 47 kΩ
R40	**RK0062**	Chip R, MCR10 47 kΩ
R44	**RK0052**	Chip R, MCR10 10 kΩ
R45	**RK0062**	Chip R, MCR10 47 kΩ
R46	**RK0107**	Chip R, MCR10 0Ω (DR-570T only)
R47	**RK0070**	Chip R, MCR10 120 kΩ (DR-570E only)
R48	**RK0035**	Chip R, MCR10 1 kΩ
R49	**RK0037**	Chip R, MCR10 1.5 kΩ
R50	**RK0037**	Chip R, MCR10 1.5 kΩ
R51	**RD1010**	R, 3.3Ω ½ W
R52	**RD1011**	R, 22Ω ½ W
J1	**RD0108**	Jumper, JPW01R-01
J2	**RD0108**	Jumper, JPW01R-01 (DR-570T only)
J3	**RD0108**	Jumper, JPW01R-01 (DR-570E only)
J4	**RD0108**	Jumper, JPW01R-01 (DR-570E only)
J5	**RD0108**	Jumper, JPW01R-01
J10	**RK1107**	Chip R, MCR18 0Ω
J11	**RK1107**	Chip R, MCR18 0Ω
J12	**RK1107**	Chip R, MCR18 0Ω
J13	**RK1107**	Chip R, MCR18 0Ω
J14	**RK1107**	Chip R, MCR18 0Ω
J15	**RK1107**	Chip R, MCR18 0Ω
C1	**CU8002**	Chip C, C2012B1H 0.01 µF
C2	**CU8006**	Chip C, C2012B1E 0.022 µF
C3	**CE0037**	Chemical C, MS5 100 µF/6 V
C4	**CE0037**	Chemical C, MS5 100 µF/6 V
C5	**CU8038**	Chip C, CM316Y1E 1 µFZ
C6	**CU8001**	Chip C, C2012B1H 0.001 µF
C7	**CU8001**	Chip C, C2012B1H 0.001 µF
C8	**CU8001**	Chip C, C2012B1H 0.001 µF
C9	**CU8003**	Chip C, C2012B1H 0.1 µF
C10	**CU8001**	Chip C, C2012B1H 0.001 µF
C11	**CE0037**	Chemical C, MS5 100 µF/6 V
C12	**CU8003**	Chip C, C2012B1H 0.1 µF (DR-570E only)
RE1	**UR0002**	Rotary Encoder, EVQ-WQGF1524B
RE2	**UR0003**	Rotary Encoder, EVQ-WT2F2006B
LP1	**EP0006**	Lamp, BQ031-30659A
LP2	**EP0006**	Lamp, BQ031-30659A
LP3	**EP0006**	Lamp, BQ031-30659A
LP4	**EP0006**	Lamp, BQ031-30659A

Ref. No.	Part Code	Part Name and Number
LP5	EP0006	Lamp, BQ031-30659A
LP6	EP0006	Lamp, BQ031-30659A
LB1	ED0001	Lithium Battery, M2BC200
S1	UU0007	Tact Switch, EVQ-QEC-04K
S2	UU0007	Tact Switch, EVQ-QEC-04K
S3	UU0007	Tact Switch, EVQ-QEC-04K
S4	UU0007	Tact Switch, EVQ-QEC-04K
S5	UU0007	Tact Switch, EVQ-QEC-04K
S6	UU0007	Tact Switch, EVQ-QEC-04K
S7	UU0007	Tact Switch, EVQ-QEC-04K
S8	UU0007	Tact Switch, EVQ-QEC-04K
S9	UU0007	Tact Switch, EVQ-QEC-04K
S10	UU0007	Tact Switch, EVQ-QEC-04K
S11	UU0007	Tact Switch, EVQ-QEC-04K
S12	UU0007	Tact Switch, EVQ-QEC-04K
S13	UU0007	Tact Switch, EVQ-QEC-04K
S14	UU0007	Tact Switch, EVQ-QEC-04K
S15	UQ0011	Push Switch, ESB64801
CN1	UE0035	Mic Connector, FM214-8SMPY
	FP0034	Mic Spacer
VR1	RH0031	VR, CVR-42A-103AW1D (DR-570E only)

Control Unit

IC1	XA0097	IC, NJM4558M
IC2	XA0097	IC, NJM4558M
IC3	XA0095	IC, NJU4066BM
IC4	XA0019	IC, μPD4094BG
IC5	XA0094	IC, NJM78M08FA
Q1	XU0012	Transistor, DTC114EK (DR-570E only)
Q2	XU0012	Transistor, DTC114EK
Q3	XU0012	Transistor, DTC114EK (DR-570E only)
Q4	XT0031	Transistor, 2SC2712Y
Q5	XT0031	Transistor, 2SC2712Y
Q6	XT0031	Transistor, 2SC2712Y
Q7	XT0031	Transistor, 2SC2712Y
Q8	XT0076	Transistor, 2SC3295B
Q9	XT0076	Transistor, 2SC3295B
Q10	XT0031	Transistor, 2SC2712Y
Q11	XT0031	Transistor, 2SC2712Y
Q12	XT0031	Transistor, 2SC2712Y
Q13	XT0031	Transistor, 2SC2712Y
Q14	XT0031	Transistor, 2SC2712Y
Q15	XT0076	Transistor, 2SC3295B
Q16	XT0076	Transistor, 2SC3295B
Q17	XT0031	Transistor, 2SC2712Y
Q18	XU0012	Transistor, DTC114EK (DR-570E only)
Q19	XT0031	Transistor, 2SC2712Y
Q20	XU0012	Transistor, DTC114EK
Q21	XT0077	Transistor, 2SC3326A
Q22	XT0077	Transistor, 2SC3326A
Q23	XT0031	Transistor, 2SC2712Y
D1	XD0103	Diode, 1SS226
D2	XD0103	Diode, 1SS226
D3	XD0103	Diode, 1SS226
D4	XD0103	Diode, 1SS226
R1	RK0052	Chip R, MCR10 10 kΩ
R2	RK0039	Chip R, MCR10 2.2 kΩ (DR-570E only)
R3	RK0057	Chip R, MCR10 27 kΩ
R4	RK0079	Chip R, MCR10 470 kΩ
R5	RK0039	Chip R, MCR10 2.2 kΩ
R6	RK0081	Chip R, MCR10 560 kΩ
R7	RK0062	Chip R, MCR10 47 kΩ
R8	RK0069	Chip R, MCR10 100 kΩ
R9	RK0062	Chip R, MCR10 47 kΩ
R10	RK0040	Chip R, MCR10 2.7 kΩ
R11	RK0081	Chip R, MCR10 560 kΩ
R12	RK0040	Chip R, MCR10 2.7 kΩ
R13	RK0020	Chip R, MCR10 150Ω
R14	RK0052	Chip R, MCR10 10 kΩ
R15	RK0042	Chip R, MCR10 3.3 kΩ
R16	RK0056	Chip R, MCR10 22 kΩ
R17	RK0048	Chip R, MCR10 6.8 kΩ
R18	RK0079	Chip R, MCR10 470 kΩ
R19	RK0069	Chip R, MCR10 100 kΩ
R20	RK0045	Chip R, MCR10 4.7 kΩ
R21	RK0035	Chip R, MCR10 1 kΩ
R22	RK0056	Chip R, MCR10 22 kΩ
R23	RK0061	Chip R, MCR10 39 kΩ
R24	RK0010	Chip R, MCR10 39Ω
R25	RK0040	Chip R, MCR10 2.7 kΩ
R28	RK0039	Chip R, MCR10 2.2 kΩ (DR-570T only)
R29	RK0035	Chip R, MCR10 1 kΩ
R30	RK0039	Chip R, MCR10 2.2 kΩ
R31	RK0042	Chip R, MCR10 3.3 kΩ (DR-570E only)
R31	RK0037	Chip R, MCR10 1.5 kΩ (DR-570T only)
R32	RK0052	Chip R, MCR10 10 kΩ
R33	RK0076	Chip R, MCR10 330 kΩ (DR-570E only)
R33	RK0071	Chip R, MCR10 150 kΩ (DR-570T only)
R34	RK0030	Chip R, MCR10 560Ω
R35	RK0047	Chip R, MCR10 5.6 kΩ
R36	RK0054	Chip R, MCR10 15 kΩ
R37	RK0086	Chip R, MCR10 1 MΩ
R38	RK0047	Chip R, MCR10 5.6 kΩ
R39	RK0018	Chip R, MCR10 100Ω
R40	RK0072	Chip R, MCR10 180 kΩ
R41	RK0073	Chip R, MCR10 220 kΩ
R42	RK0062	Chip R, MCR10 47 kΩ
R43	RK0059	Chip R, MCR10 33 kΩ
R44	RK0062	Chip R, MCR10 47 kΩ
R45	RK0073	Chip R, MCR10 220 kΩ
R46	RK0076	Chip R, MCR10 330 kΩ
R47	RK0067	Chip R, MCR10 82 kΩ
R48	RK0067	Chip R, MCR10 82 kΩ
R49	RK0067	Chip R, MCR10 82 kΩ
R50	RK0052	Chip R, MCR10 10 kΩ
R51	RK0052	Chip R, MCR10 10 kΩ
R52	RK0039	Chip R, MCR10 2.2 kΩ
R53	RK0079	Chip R, MCR10 470 kΩ
R54	RK0022	Chip R, MCR10 220Ω
R55	RK0069	Chip R, MCR10 100 kΩ
R56	RK0069	Chip R, MCR10 100 kΩ
R57	RK0033	Chip R, MCR10 820Ω
R58	RK0052	Chip R, MCR10 10 kΩ
R59	RK0039	Chip R, MCR10 2.2 kΩ
R60	RK0052	Chip R, MCR10 10 kΩ
R61	RK0057	Chip R, MCR10 27 kΩ
R62	RK0079	Chip R, MCR10 470 kΩ
R63	RK0039	Chip R, MCR10 2.2 kΩ
R64	RK0028	Chip R, MCR10 470Ω
R65	RK0081	Chip R, MCR10 560 kΩ
R66	RK0040	Chip R, MCR10 2.7 kΩ
R67	RK0081	Chip R, MCR10 560 kΩ
R68	RK0040	Chip R, MCR10 2.7 kΩ
R69	RK0020	Chip R, MCR10 150Ω
R70	RK0018	Chip R, MCR10 100Ω
R71	RK0042	Chip R, MCR10 3.3 kΩ
R72	RK0056	Chip R, MCR10 22 kΩ
R73	RK0052	Chip R, MCR10 10 kΩ
R74	RK0048	Chip R, MCR10 6.8 kΩ
R75	RK0069	Chip R, MCR10 100 kΩ
R76	RK0079	Chip R, MCR10 470 kΩ
R77	RK0045	Chip R, MCR10 4.7 kΩ
R78	RK0035	Chip R, MCR10 1 kΩ
R79	RK0056	Chip R, MCR10 22 kΩ
R80	RK0061	Chip R, MCR10 39 kΩ
R81	RK0040	Chip R, MCR10 2.7 kΩ
R82	RK0010	Chip R, MCR10 39Ω
R84	RK0069	Chip R, MCR10 100 kΩ
R85	RK0035	Chip R, MCR10 1 kΩ
R86	RK0042	Chip R, MCR10 3.3 kΩ
R87	RK0042	Chip R, MCR10 3.3 kΩ
R88	RK0069	Chip R, MCR10 100 kΩ
R89	RK0045	Chip R, MCR10 4.7 kΩ
R90	RK0045	Chip R, MCR10 4.7 kΩ
R91	RK0056	Chip R, MCR10 22 kΩ
R92	RK0056	Chip R, MCR10 22 kΩ
R93	RK0035	Chip R, MCR10 1 kΩ
J1	RK0107	Chip R, MCR10 0Ω
J2	RK0107	Chip R, MCR10 0Ω
J3	RK0107	Chip R, MCR10 0Ω
J4	RK0107	Chip R, MCR10 0Ω
J5	RK0107	Chip R, MCR10 0Ω
J6	RK0107	Chip R, MCR10 0Ω
J7	RK0107	Chip R, MCR10 0Ω
J8	RK0107	Chip R, MCR10 0Ω
J10	RK1107	Chip R, MCR18 0Ω
J11	RK1107	Chip R, MCR18 0Ω
J12	RK1107	Chip R, MCR18 0Ω
J13	RK1107	Chip R, MCR18 0Ω
J14	RK0107	Chip R, MCR10 0Ω
J15	RK0107	Chip R, MCR10 0Ω
J16	RK0107	Chip R, MCR10 0Ω
J17	RK0107	Chip R, MCR10 0Ω (DR-570E only)
J19	RK1107	Chip R, MCR18 0Ω
J20	RK1107	Chip R, MCR18 0Ω
J21	RK1107	Chip R, MCR18 0Ω
J22	RK1107	Chip R, MCR18 0Ω
J23	RK1107	Chip R, MCR18 0Ω
J24	RK1107	Chip R, MCR18 0Ω
J25	RK1107	Chip R, MCR18 0Ω (DR-570E only)
J26	RK1107	Chip R, MCR18 0Ω
C1	CU8003	Chip C, C2012B1H 0.1 μF
C2	CU0035	Chip C, C2012CH1H 100 pF
C3	CU8002	Chip C, C2012B1H 0.01 μF
C4	CU8023	Chip C, C2012B1H 0.0039 μFK
C5	CS0049	Chip Tantal, TMC1C105
C6	CS0052	Chip Tantal, TMC1A336
C7	CU8003	Chip C, C2012B1H 0.1 μF
C8	CU8001	Chip C, C2012B1H 0.001 μF
C9	CU8003	Chip C, C2012B1H 0.1 μF
C10	CU8001	Chip C, C2012B1H 0.001 μF
C11	CU8035	Chip C, C2012B1E 0.039 μFK
C12	CS0052	Chip Tantal, TMC1A336
C13	CE0097	Chemical C, MS5 68 μF/10 V
C14	CU8001	Chip C, C2012B1H 0.001 μF
C15	CU8001	Chip C, C2012B1H 0.001 μF
C16	CU8002	Chip C, C2012B1H 0.01 μF
C17	RK1107	Chip R, MCR18 0Ω (DR-570E only)
C17	CU8038	Chip C, CM316Y1E 1 μFZ (DR-570T only)
C18	CU0035	Chip C, C2012CH1H 100 pF
C19	CU0035	Chip C, C2012CH1H 100 pF
C20	CU8034	Chip C, C2012B1E 0.033 μFK
C21	CU8034	Chip C, C2012B1E 0.033 μFK
C22	CU8038	Chip C, CM316Y1E 1 μFZ
C23	CU8024	Chip C, C2012B1H 0.0047 μFK
C24	CU0053	Chip C, C2012CH1H 560 pF
C25	CU8002	Chip C, C2012B1H 0.01 μF
C26	CS0049	Chip Tantal, TMC1C105
C27	CU8038	Chip C, CM316Y1E 1 μFZ
C28	CU0057	Chip C, C2012CH1H 820 pF
C29	CU8008	Chip C, C2012B1H 0.0027 μFK
C30	CU0035	Chip C, C2012CH1H 100 pF
C31	CU0035	Chip C, C2012CH1H 100 pF
C32	CU8024	Chip C, C2012B1H 0.0047 μFK
C33	CS0057	Chip Tantal, TMCOJ225
C34	CU8003	Chip C, C2012B1H 0.1 μF
C35	CU0023	Chip C, C2012CH1H 33 pF
C36	CU8002	Chip C, C2012B1H 0.01 μF
C37	CU8024	Chip C, C2012B1H 0.0047 μFK
C38	CS0057	Chip Tantal, TMCOJ225
C39	CU8002	Chip C, C2012B1H 0.01 μF
C40	CU8003	Chip C, C2012B1H 0.1 μF
C41	CS0049	Chip Tantal, TMC1C105
C42	CS0065	Chip Tantal, TMC1D684
C43	CS0052	Chip Tantal, TMC1A336
C44	CU8034	Chip C, C2012B1E 0.033 μFK
C45	CU8030	Chip C, C2012B1H 0.015 μFK
C46	CU8034	Chip C, C2012B1E 0.033 μFK

Ref. No.	Part Code	Part Name and Number
C47	**CU8035**	Chip C, C2012B1E 0.039 µFK
C48	**CU8038**	Chip C, CM316Y1E 1 µFZ
C49	**CE0097**	Chemical C, MS5 68 µF/10 V
C50	**CU8002**	Chip C, C2012B1H 0.01 µF
C51	**CU0053**	Chip C, C2012CH1H 560 pF
C52	**CU8024**	Chip C, C2012B1H 0.0047 µFK
C53	**CU8024**	Chip C, C2012B1H 0.0047 µFK
C54	**CU0023**	Chip C, C2012CH1H 33 pF
C55	**CU8002**	Chip C, C2012B1H 0.01 µF
C56	**CU8024**	Chip C, C2012B1H 0.0047 µFK
C57	**CS0051**	Chip Tantal, TMC1C106
C58	**CS0057**	Chip Tantal, TMCOJ225
C59	**CU8002**	Chip C, C2012B1H 0.01 µF
C60	**CU8003**	Chip C, C2012B1H 0.1 µF
C61	**CS0049**	Chip Tantal, TMC1C105
C62	**CS0065**	Chip Tantal, TMC1D684
C63	**CS0052**	Chip Tantal, TMC1A336
C64	**CU8030**	Chip C, C2012B1H 0.015 µFK
C65	**CU8034**	Chip C, C2012B1E 0.033 µFK
C66	**CU8034**	Chip C, C2012B1E 0.033 µFK
C67	**CS0057**	Chip Tantal, TMCOJ225
C68	**CS0057**	Chip Tantal, TMCOJ225
C69	**CU0035**	Chip C, C2012CH1H 100 pF
C70	**CU8001**	Chip C, C2012B1H 0.001 µF
C71	**CU8001**	Chip C, C2012B1H 0.001 µF
L1	**QC0049**	Chip Coil, NL322522T-221K
L2	**QC0050**	Chip Coil, LQH4N102K
L3	**QC0049**	Chip Coil, NL322522T-221K
L4	**QC0050**	Chip Coil, LQH4N102K

Duplexer Unit

D1	**XD0058**	Diode, 1SS181
C1	**CC5022**	Ceramic C, HM60SJSL270J
C2	**CC5022**	Ceramic C, HM60SJSL270J
C4	**CU0051**	Chip C, C2012CH1H 470 pF
C6	**CC5015**	Ceramic C, HM60SJSL060D
C7	**CC5014**	Ceramic C, HM60SJSL040C
C8	**CC5015**	Ceramic C, HM60SJSL060D
C9	**CC5002**	Ceramic C, 10 pF 500 V SL
L1	**QK0055**	Air Core Coil, 3Ø 6 T
L2	**QK0055**	Air Core Coil, 3Ø 6 T
L3	**QK0054**	Air Core Coil, 3Ø 1.5 T
L4	**QC0039**	Chip Coil, NL 322522T-1ROM
L5	**QK0054**	Air Core Coil, 3Ø 1.5 T
L6	**QK0054**	Air Core Coil, 3Ø 1.5 T
RL1	**UL0008**	Relay, AG201744

Crystal Converter Unit

IC1	**XA0098**	IC, NJM78L05UA
Q1	**XT0072**	Transistor, 2SC3011
Q2	**XT0030**	Transistor, 2SC3356
Q3	**XT0039**	Transistor, 2SC2668Y
Q4	**XT0019**	Transistor, 2SC2407
Q5	**XT0035**	Transistor, 2SC3429
Q6	**XT0039**	Transistor, 2SC2668Y
Q7	**XU0022**	Digital Transistor, DTA114EK
Q8	**XU0022**	Digital Transistor, DTA114EK
D1	**XD0070**	Diode, 1SS265
D2	**XD0070**	Diode, 1SS265
D3	**XD0070**	Diode, 1SS265
D4	**XD0070**	Diode, 1SS265
D5	**XD0040**	Diode, DAN202K
D6	**XD0058**	Diode, 1SS181
X1	**XQ0024**	X'tal, UM-1 40.5 MHz
X2	**XQ0025**	X'tal, UM-1 40.0 MHz
CNⓍ	**UE0055**	Post with Base, PI22B02M
CNⓎ	**UE0055**	Post with Base, PI22B02M

Ref. No.	Part Code	Part Name and Number
	TZ0021	Insulating Paper
R1	**RK0064**	Chip R, MCR10 56 kΩ
R2	**RK0052**	Chip R, MCR10 10 kΩ
R3	**RK0040**	Chip R, MCR10 2.7 kΩ
R4	**RK0059**	Chip R, MCR10 33 kΩ
R5	**RK0052**	Chip R, MCR10 10 kΩ
R6	**RK0028**	Chip R, MCR10 470Ω
R7	**RK0022**	Chip R, MCR10 220Ω
R8	**RK0031**	Chip R, MCR10 680Ω
R9	**RK0039**	Chip R, MCR10 2.2 kΩ
R10	**RK0054**	Chip R, MCR10 15 kΩ
R11	**RK0054**	Chip R, MCR10 15 kΩ
R12	**RK0033**	Chip R, MCR10 820Ω
R13	**RK0031**	Chip R, MCR10 680Ω
R14	**RK0045**	Chip R, MCR10 4.7 kΩ
R15	**RK0054**	Chip R, MCR10 15 kΩ
R16	**RK0025**	Chip R, MCR10 330Ω
R17	**RK0069**	Chip R, MCR10 100 kΩ
R18	**RK0025**	Chip R, MCR10 330Ω
R19	**RK0052**	Chip R, MCR10 10 kΩ
R20	**RK0039**	Chip R, MCR10 2.2 kΩ
R21	**RK0054**	Chip R, MCR10 15 kΩ
R22	**RK0033**	Chip R, MCR10 820Ω
R23	**RK0018**	Chip R, MCR10 100Ω
R24	**RK0054**	Chip R, MCR10 15 kΩ
R25	**RK0039**	Chip R, MCR10 2.2 kΩ
C1	**CU0006**	Chip C, C2012CH1H 5 pF
C2	**CU0003**	Chip C, C2012CH1H 2 pF
C3	**CU0003**	Chip C, C2012CH1H 2 pF
C4	**CU0006**	Chip C, C2012CH1H 5 pF
C5	**CU0001**	Chip C, C2012CH1H 0.5 pF
C6	**CU0051**	Chip C, C2012CH1H 470 pF
C7	**CU0051**	Chip C, C2012CH1H 470 pF
C8	**CU0006**	Chip C, C2012CH1H 5 pF
C9	**CU8001**	Chip C, C2012B1H 0.001 µF
C10	**CU0019**	Chip C, C2012CH1H 22 pF
C11	**CU0006**	Chip C, C2012CH1H 5 pF
C12	**CU0002**	Chip C, C2012CH1H 1 pF
C13	**CU8001**	Chip C, C2012B1H 0.001 µF
C14	**CU8001**	Chip C, C2012B1H 0.001 µF
C15	**CU8001**	Chip C, C2012B1H 0.001 µF
C16	**CU0015**	Chip C, C2012CH1H 15 pF
C17	**CU0015**	Chip C, C2012CH1H 15 pF
C18	**CU0027**	Chip C, C2012CH1H 47 pF
C19	**CU0005**	Chip C, C2012CH1H 4 pF
C20	**CU0003**	Chip C, C2012CH1H 2 pF
C21	**CU0004**	Chip C, C2012CH1H 3 pF
C22	**CU8001**	Chip C, C2012B1H 0.001 µF
C23	**CU0013**	Chip C, C2012CH1H 12 pF
C24	**CU8001**	Chip C, C2012B1H 0.001 µF
C25	**CU8001**	Chip C, C2012B1H 0.001 µF
C26	**CU8001**	Chip C, C2012B1H 0.001 µF
C27	**CU8001**	Chip C, C2012B1H 0.001 µF
C28	**CU0027**	Chip C, C2012CH1H 47 pF
C29	**CU8001**	Chip C, C2012B1H 0.001 µF
C30	**CU0005**	Chip C, C2012CH1H 4 pF
C31	**CU8001**	Chip C, C2012B1H 0.001 µF
C32	**CU0011**	Chip C, C2012CH1H 10 pF
C33	**CU0006**	Chip C, C2012CH1H 5 pF
C34	**CU0008**	Chip C, C2012CH1H 7 pF
C35	**CU8001**	Chip C, C2012B1H 0.001 µF
C36	**CU8001**	Chip C, C2012B1H 0.001 µF
C37	**CU0015**	Chip C, C2012CH1H 15 pF
C38	**CU8001**	Chip C, C2012B1H 0.001 µF
C39	**CU0015**	Chip C, C2012CH1H 15 pF
C40	**CU0027**	Chip C, C2012CH1H 47 pF
C41	**CU0015**	Chip C, C2012CH1H 15 pF
C42	**CU0027**	Chip C, C2012CH1H 47 pF
C43	**CU0005**	Chip C, C2012CH1H 4 pF
C44	**CU8001**	Chip C, C2012B1H 0.001 µF
C45	**CU0002**	Chip C, C2012CH1H 1 pF
C46	**CU0001**	Chip C, C2012CH1H 0.5 pF
C47	**CU0003**	Chip C, C2012CH1H 2 pF
C48	**CU0005**	Chip C, C2012CH1H 4 pF
C49	**CU0006**	Chip C, C2012CH1H 5 pF

Ref. No.	Part Code	Part Name and Number
C50	**CU8001**	Chip C, C2012B1H 0.001 µF
C51	**CU8001**	Chip C, C2012B1H 0.001 µF
C52	**CU8001**	Chip C, C2012B1H 0.001 µF
C53	**CU0027**	Chip C, C2012CH1H 47 pF
C54	**CU0051**	Chip C, C2012CH1H 470 pF
C55	**CE0198**	Chemical C, MS5 100 µF/10 V
C56	**CE0198**	Chemical C, MS5 100 µF/10 V
C57	**CU8001**	Chip C, C2012B1H 0.001 µF
L1	**QK0036**	Air Core Coil, 3 ↄ 1.5 T
L2	**QK0036**	Air Core Coil, 3 ↄ 1.5 T
L3	**QK0037**	Air Core Coil, 3 ↄ 2.5 T
L4	**QK0037**	Air Core Coil, 3 ↄ 2.5 T
L5	**QA0030**	HF Coil
L6	**QA0031**	HF Coil
L7	**QA0032**	HF Coil
L8-A	**RD0108**	JBW01R-01
L8-B	**RD0108**	JBW01R-01
L9	**QA0030**	HF Coil
L10	**QA0033**	HF Coil
L11	**QA0034**	HF Coil
L12	**QA0036**	HF Coil
L13	**QA0035**	HF Coil
L14	**QC0071**	Chip Coil, NL322522T-R22K
L15	**QC0045**	Chip Coil, NL322522T-3R3M
TC1	**CT0013**	Trimmer C, ECR-GA003A30
TC2	**CT0013**	Trimmer C, ECR-GA003A30
TC3	**CT0013**	Trimmer C, ECR-GA003A30
TC4	**CT0013**	Trimmer C, ECR-GA003A30
TC5	**CT0001**	Trimmer C, ECR-GA010D30
TC6	**CT0001**	Trimmer C, ECR-GA010D30

Power Source Unit

C75	**CU8001**	Chip C, C2021B1H 0.001 µF
C76	**CU8001**	Chip C, C2021B1H 0.001 µF
C77	**CU8001**	Chip C, C2021B1H 0.001 µF
C78	**CE0193**	Chemical C, TWSS 1000 µF/16 V
L21	**QL0007**	Coil, AF Choke
D12	**XD0107**	Diode, G3B
CNⓈ	**UE0069**	Post with Base, PI22A03M

VHF Final Unit

IC1	**XA0043**	Module, M57726
Q2	**XT0020**	Transistor, 2SC2538
Q3	**XT0041**	Transistor, FMW1
Q6	**XU0012**	Digital Transistor, DTC 114EK
D1	**XD0057**	Diode, 1SS184
D2	**XD0106**	Diode, UM9401
D3	**XD0014**	Diode, Mi308
D4	**XD0102**	Diode, 1SS101
D5	**XD0057**	Diode, 1SS184
R1	**RK0023**	Chip R, MCR10 270Ω
R2	**RK0004**	Chip R, MCR10 18Ω
R3	**RK0023**	Chip R, MCR10 270Ω
R4	**RK0011**	Chip R, MCR10 47Ω
R5	**RK0037**	Chip R, MCR10 1.5 kΩ
R6	**RD1011**	R, ½ W 22Ω
R10	**RK0107**	Chip R, MCR10 0Ω
R11	**RD1008**	R, ½ W 150Ω
R13	**RK0056**	Chip R, MCR10 22 kΩ
R14	**RK0056**	Chip R, MCR10 22 kΩ
R15	**RK0107**	Chip R, MCR10 0Ω
R16	**RK0056**	Chip R, MCR10 22 kΩ
R17	**RK0059**	Chip R, MCR10 33 kΩ
R19	**RK0008**	Chip R, MCR10 33Ω
R20	**RK0107**	Chip R, MCR10 0Ω
R26	**RK0076**	Chip R, MCR10 330 kΩ

Ref. No.	Part Code	Part Name and Number
C1	**CU8001**	Chip C, C2012B1H 0.001 µF
C2	**CU0030**	Chip C, C2012CH1H 62 pF
C3	**CU0034**	Chip C, C2012CH1H 91 pF
C4	**CU8001**	Chip C, C2012B1H 0.001 µF
C5	**CU8001**	Chip C, C2012B1H 0.001 µF
C6	**CU0018**	Chip C, C2012CH1H 20 pF
C7	**CE0044**	Chemical C, MS5 10 µF/16 V
C8	**CU8001**	Chip C, C2012B1H 0.001 µF
C9	**CU8001**	Chip C, C2012B1H 0.001 µF
C10	**CU8001**	Chip C, C2012B1H 0.001 µF
C11	**CU8001**	Chip C, C2012B1H 0.001 µF
C12	**CU8001**	Chip C, C2012B1H 0.001 µF
C13	**CE0044**	Chemical C, MS5 10 µF/16 V
C14	**CE0044**	Chemical C, MS5 10 µF/16 V
C16	**CC5002**	Ceramic C, 10 pF 500 V SL
C17	**CU8001**	Chip C, C2012B1H 0.001 µF
C18	**CU8001**	Chip C, C2012B1H 0.001 µF
C19	**CC5016**	Ceramic C, HM60SJSL080J
C20	**CC5025**	Ceramic C, HM60SJYB102K
C21	**CC5019**	Ceramic C, HM60SJSL150J
C22	**CU0017**	Chip C, C2012CH1H 18 pF
C23	**CC5021**	Ceramic C, HM60SJSL220J
C24	**CC5021**	Ceramic C, HM60SJSL220J
C25	**CU0001**	Chip C, C2012CH1H 0.5 pF
C26	**CC5022**	Ceramic C, HM60SJSL270J
C27	**CU0002**	Chip C, C2012CH1H 1 pF
C28	**CU8001**	Chip C, C2012B1H 0.001 µF
C29	**CC5020**	Ceramic C, HM60SJSL180J
C30	**CU8001**	Chip C, C2012B1H 0.001 µF
C31	**CU8001**	Chip C, C2012B1H 0.001 µF
C33	**CU8001**	Chip C, C2012B1H 0.001 µF
C34	**CU8001**	Chip C, C2012B1H 0.001 µF
C35	**CU8024**	Chip C, C2012B1H 0.0047 µF
C36	**CU8001**	Chip C, C2012B1H 0.001 µF
C37	**CU8024**	Chip C, C2012B1H 0.0047 µF
C38	**CU8001**	Chip C, C2012B1H 0.001 µF
C39	**CU8001**	Chip C, C2012B1H 0.001 µF
C40	**CU8001**	Chip C, C2012B1H 0.001 µF
C41	**CU8001**	Chip C, C2012B1H 0.001 µF
C42	**CU8001**	Chip C, C2012B1H 0.001 µF
L1	**QC0059**	Chip L, NL322522T-022M
L2	**QC0055**	Chip L, NL322522T-010M
L3	**QK0031**	Air Core Coil, 3 Ø-6 T
L4	**QK0062**	Air Core Coil, 0.6-3 Ø-3 T-LS
L5	**QK0064**	Air Core Coil, 0.8-4 Ø-1.5 T-L (DR-570E only)
L5	**QK0054**	Air Core Coil, 0.8-3 Ø-1.5-R (DR-570 T only)
L6	**QK0044**	Air Core Coil, 3 Ø-9.5 T
L7	**QK0067**	Air Core Coil, 0.6-3 Ø-7 T-R
L8	**QK0058**	Air Core Coil, 0.8-3 Ø-6 T-RS
L9	**QK0044**	Air Core Coil, 3 Ø-9.5 T (DR-570 E only)
L9	**QK0067**	Air Core Coil, 0.6-3 Ø-7 T-R (DR-570T only)
L10	**QK0060**	Air Core Coil, 0.8-3 Ø-5 T-RS
L11	**QK0077**	Air Core Coil, 0.8-3 Ø-3 T-RS (DR-570 E only)
L11	**QK0054**	Air Core Coil, 0.8-3 Ø-1.5-R (DR-570 T only)
L12	**QC0013**	Choke Coil, LAL02-1ROM
VR1	**RH0038**	VR, CVR-42A-473AW1D
VR2	**RH0051**	VR, CVR-42A-472AW1D
VR3	**RH0038**	VR, CVR-42A-473AW1D
VR4	**RH0056**	VR, CVR-42A-333AW1D
JK1	**UJ0013**	Earphone Jack, JSJ140301010
TH1	**XS0006**	Thermistor, TD5-C350DA

UHF Final Unit

IC4	**XA0077**	Module, M57788M
Q5	**XT0064**	Transistor, 2SD1761E

Ref. No.	Part Code	Part Name and Number
D7	**XD0106**	Diode, UM9401
D8	**XD0014**	Diode, Mi308
D9	**XD0102**	Diode, 1SS101
D10	**XD0102**	Diode, 1SS101
R23	**RK0107**	Chip R, MCR10 0Ω
R24	**RK0107**	Chip R, MCR10 0Ω
R25	**RD1008**	R, ½ W 150Ω
R26	**RK0052**	Chip R, MCR10 10 kΩ
R27	**RK0006**	Chip R, MCR10 27Ω
L13	**QK0054**	Air Core Coil, 3 Ø 1.5 T
L14	**QK0061**	Air Core Coil, 0.5-3 Ø-9.5 T-L
L15	**QK0068**	Air Core Coil, 0.8-3 Ø-2.5 T-RS
L16	**QK0063**	Air Core Coil, 0.5-3 Ø-3.5 T-R
L17	**QK0054**	Air Core Coil, 3 Ø 1.5 T
L18	**QK0065**	Air Core Coil, 0.8-4 Ø-1.25 T-R
L19	**QC0013**	Choke Coil, LAL021ROM
C43	**CU8001**	Chip C, C2012B1H 0.001 µF
C44	**CU0051**	Chip C, C2012CH1H 470 pF
C45	**CE0044**	Chemical C, MS5 10 µF/16 V
C46	**CU0051**	Chip C, C2012CH1H 470 pF
C47	**CU0051**	Chip C, C2012CH1H 470 pF
C48	**CE0044**	Chemical C, MS5 10 µF/16 V
C49	**CU7013**	Chip Mica, UC232H0050C
C50	**CC5013**	Ceramic C, HM60SJSL020C
C51	**CU0005**	Chip C, C2012CH1H 4 pF
C52	**CU0001**	Chip C, C2012CH1H 0.5 pF
C53	**CC5007**	Ceramic C, HM60SJSL050C
C54	**CU0001**	Chip C, C2012CH1H 0.5 pF
C55	**CU7021**	Chip Mica, UC232H0160J
C56	**CU0013**	Chip C, C2012CH1H 12 pF
C57	**CU7019**	Chip Mica, UC232H0220F
C58	**CC5007**	Ceramic C, HM60SJSL050C
C59	**CU7021**	Chip Mica, UC232H0160J
C60	**CC5007**	Ceramic C, HM60SJSL050C
C62	**CC5014**	Ceramic C, HM60SJSL040C
C63	**CU0051**	Chip C, C2012CH1H 470 pF
C64	**CU0051**	Chip C, C2012CH1H 470 pF
C68	**CU0051**	Chip C, C2012CH1H 470 pF
C69	**CU8001**	Chip C, C2012B1H 0.001 µF
C70	**CU8001**	Chip C, C2012B1H 0.001 µF
C71	**CU0051**	Chip C, C2012CH1H 470 pF
C72	**CU0051**	Chip C, C2012CH1H 470 pF
C73	**CU0051**	Chip C, C2012CH1H 470 pF
C74	**CU0051**	Chip C, C2012CH1H 470 pF
	UE0080	Penetrating Paper

Ref. No.	Part Code	Part Name and Number

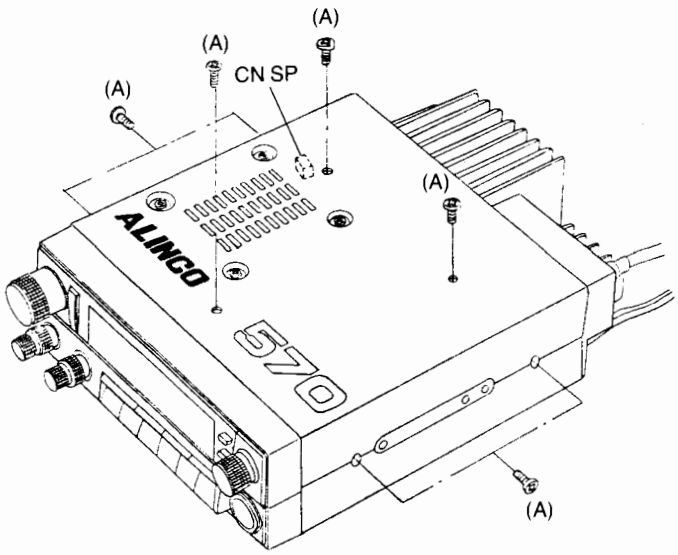
CTCSS (EJ-5U) Unit (T Only)

CN1	**UE0097**	Pin Header SB3P-HVQ-CA
CN2	**UE0077**	Pin Header SB7P-HVQ-CA
CN3	**UE0045**	Post with Base PI22A11M
IC1	**XA0020**	IC MN6520
IC2	**XA0020**	IC MN6520
IC3	**XA0019**	IC UPD4094BG-T1
IC4	**XA0019**	IC UPD4094BG-T1
X1	**XB0002**	FAR-C4CA-04194000K01
Q1	**XT0031**	Transistor, 2SC2712Y
Q2	**XT0031**	Transistor, 2SC2712Y
Q3	**XU0012**	Digital Transistor DTC114EK
VR1	**RH0058**	CVR-42A203AW1D
R1	**RK0086**	Chip R, MCR10 1 MΩ
R2	**RK0039**	Chip R, MCR10 2.2 kΩ
R3	**RK0044**	Chip R, MCR10 3.9 kΩ
R4	**RK0044**	Chip R, MCR10 3.9 kΩ
R5	**RK0039**	Chip R, MCR10 2.2 kΩ
R6	**RK0086**	Chip R, MCR10 1 MΩ
R8	**RK0045**	Chip R, MCR10 4.7 kΩ
R10	**RK0071**	Chip R, MCR10 150 kΩ
R11	**RK0039**	Chip R, MCR10 2.2 kΩ
R12	**RK0053**	Chip R, MCR10 12 kΩ
R13	**RK0055**	Chip R, MCR10 18 kΩ
R14	**RK0052**	Chip R, MCR10 10 kΩ
R15	**RK0052**	Chip R, MCR10 10 kΩ
R18	**RK0071**	Chip R, MCR10 150 kΩ
R19	**RK0039**	Chip R, MCR10 2.2 kΩ
R20	**RK0053**	Chip R, MCR10 12 kΩ
R21	**RK0055**	Chip R, MCR10 18 kΩ
R22	**RK0052**	Chip R, MCR10 10 kΩ
R23	**RK0052**	Chip R, MCR10 10 kΩ
R24	**RK0067**	Chip R, MCR10 82 kΩ
R25	**RK0067**	Chip R, MCR10 82 kΩ
C1	**CU8003**	Chip C, C2012JF1E104Z
C2	**CU8007**	Chip C, C2012JF1H473Z
C3	**CU8003**	Chip C, C2012JF1E104Z
C4	**CU8007**	Chip C, C2012JF1H473Z
C5	**CE0116**	Chemical C, MS7 6.3 V/47 µF
C6	**CU0005**	Chip C, C2012CH1H 4 pF
C7	**CU8003**	Chip C, C2012JF1E104Z
C8	**CS0059**	Chip Tantal, TMCOJ226TR
C9	**CU8003**	Chip C, C2012JF1E104Z
C10	**CS0059**	Chip Tantal, TMCOJ226TR
C11	**CS0055**	Chip Tantal, TMCOG106TR
C12	**CS0055**	Chip Tantal, TMCOG106TR
C13	**CU8002**	Chip C, C2012B1H103K

■ DISASSEMBLING PROCEDURE

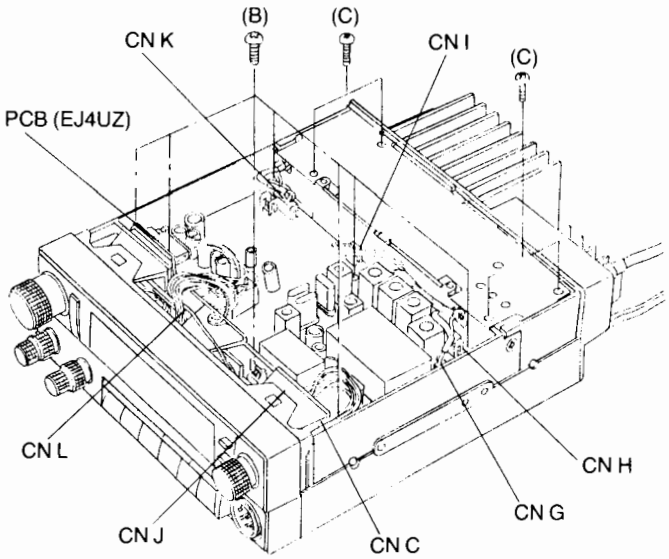
Removing Upper Case

(1) Remove 7 screws (A).
(2) Unplug connector (CN SP).



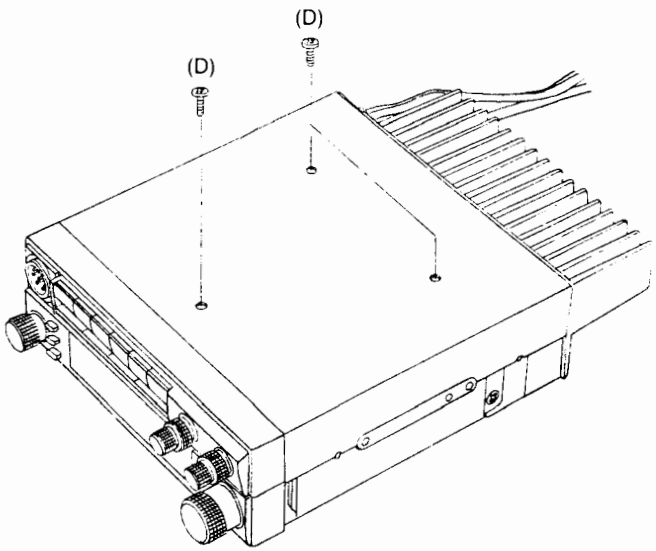
Removing VHF (144 M) Main PCB

(1) Remove 7 screws (B).
(2) Unplug 7 connectors (CN C, CN G, CN H, CN I, CN J, CN K, CN L), and remove PCB (EJ4UZ).
(3) Remove 4 screws (C) on shield plate.



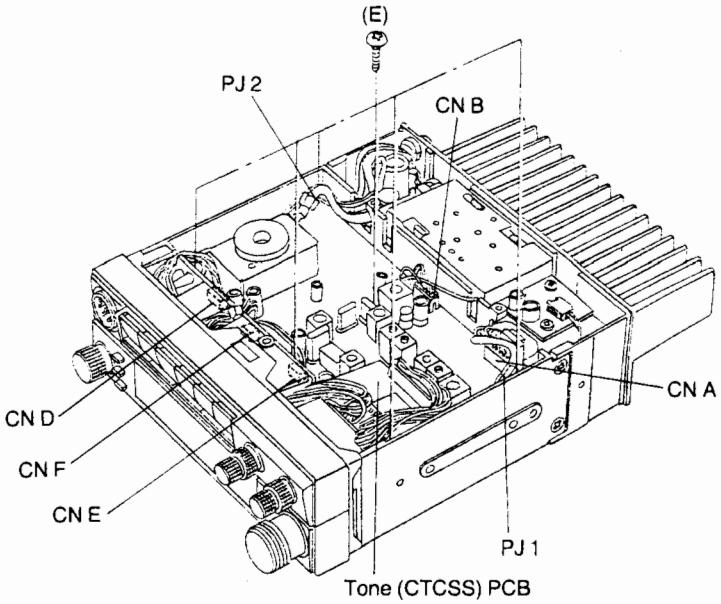
Removing Lower Case

(1) Turn over Unit, and remove 3 screws (D) beneath Lower Case.



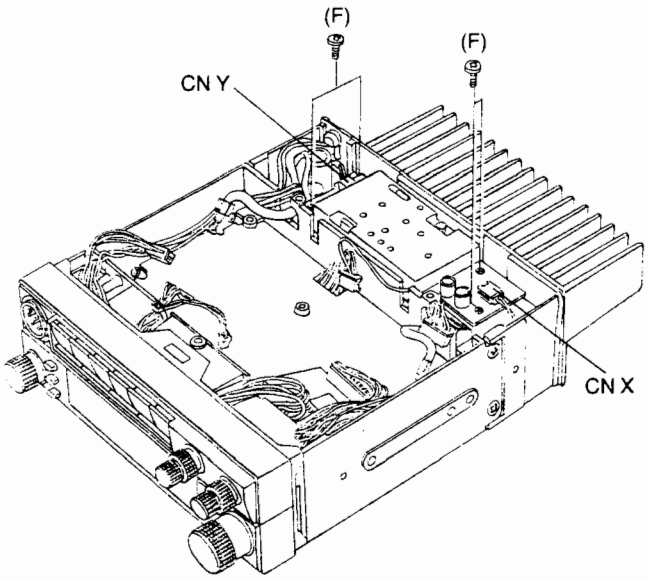
Removing UHF (430 M) Main PCB

(1) Remove 6 screws (E).
(2) Unplug 5 connectors (CN A, CN B, CN D, CN E, CN F) and 2 pins (PJ1, PJ2), and remove Tone (CTCSS) PCB.



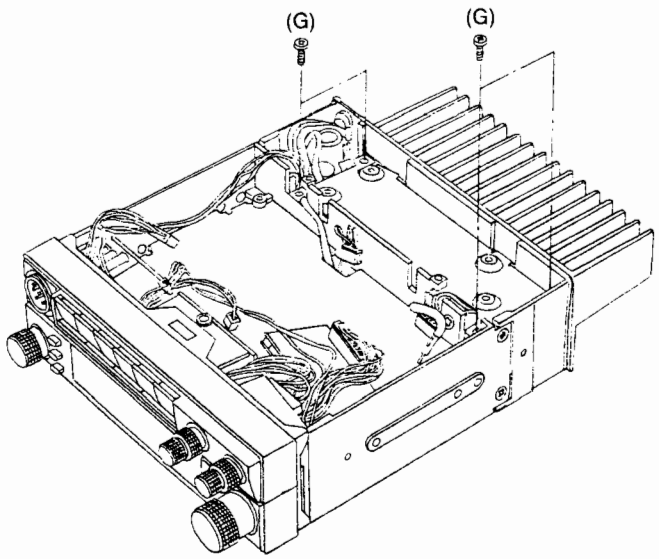
Removing Crystal Converter PCB

(1) Remove 4 screws (F).
(2) Unplug 2 connectors (CN X, CN Y).



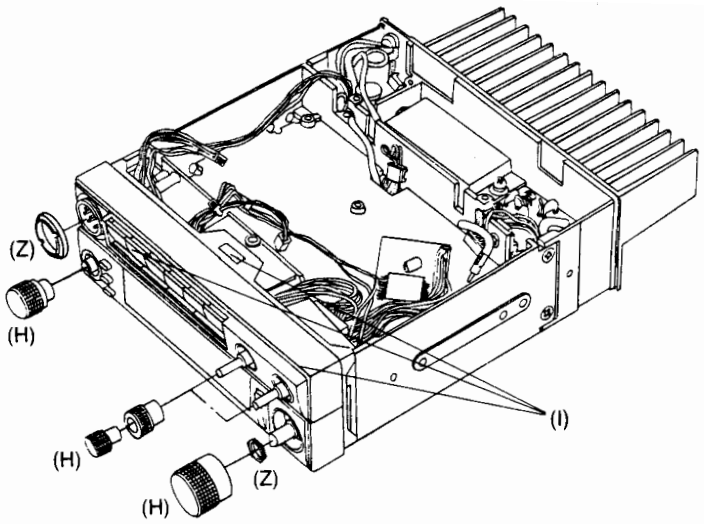
Removing Shield Plate beneath Crystal Converter PCB

(1) Remove 4 screws (G).



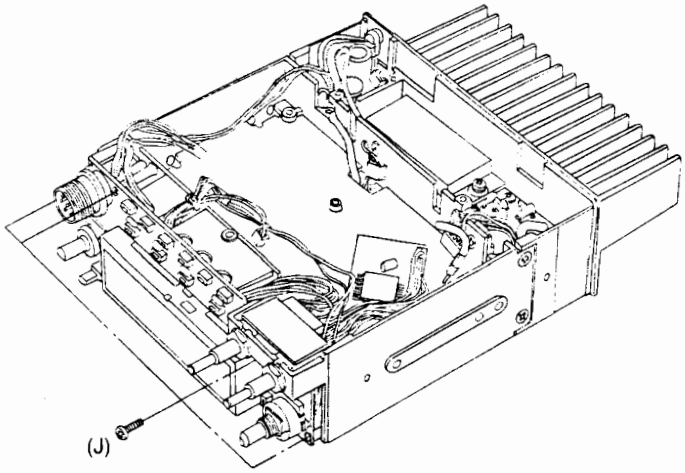
Removing Front Panel

(1) Remove 4 knobs (H).
(2) Release 3 hooks (I).
(3) Remove 2 nuts (Z).



Removing CPU PCB

(1) Remove 4 screws (J).

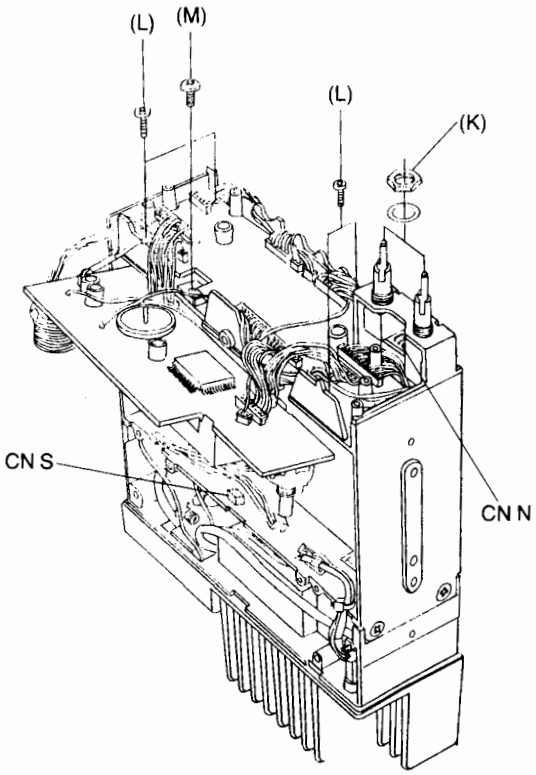


Removing VOL PCB

(1) Place Unit upright, and remove 2 nuts (K).
(2) Disconnect connector (CN N).

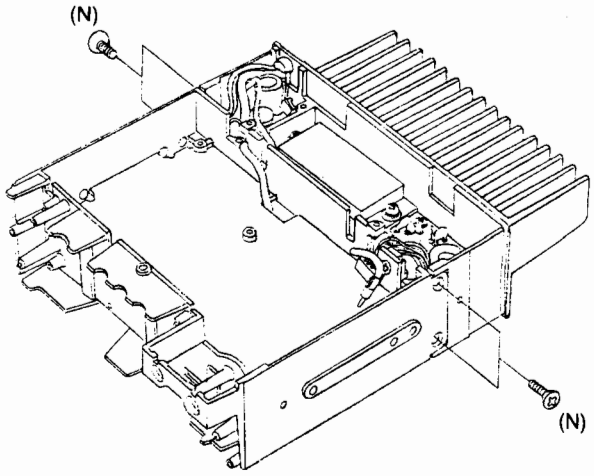
Removing Control PCB

(1) Remove 4 screws (L) and one screw (M).
(2) Unplug connector (CN S) on Power Supply PCB at the bottom.



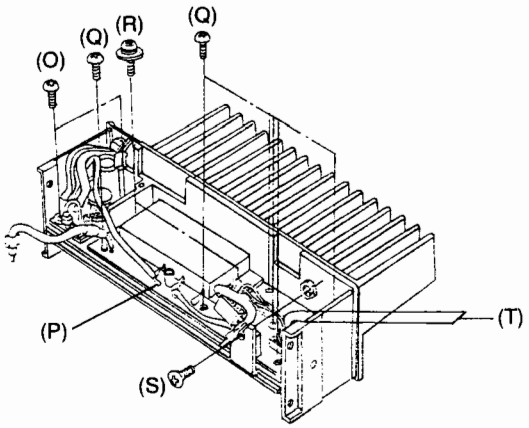
Removing Rear Assembly

(1) Remove 4 screws (N).



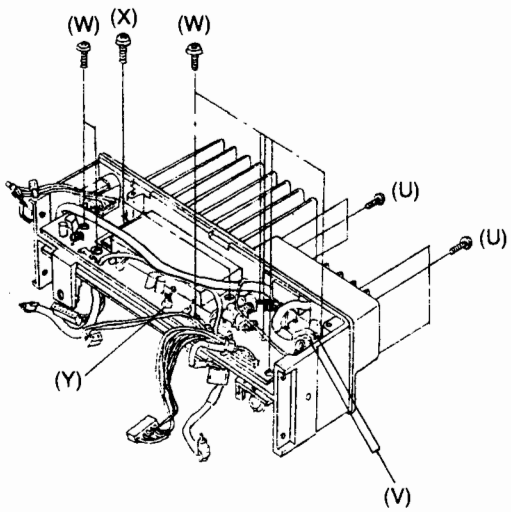
Removing Power Supply PCB

(1) Turn over assembly, and remove 2 screws (O).
(2) Disconnect soldered portion (P).
(3) Remove 6 screws (Q), 2 screws (R), 1 screw (S), and Disconnect 2 soldered portions (T).



Removing Duplexer PCB

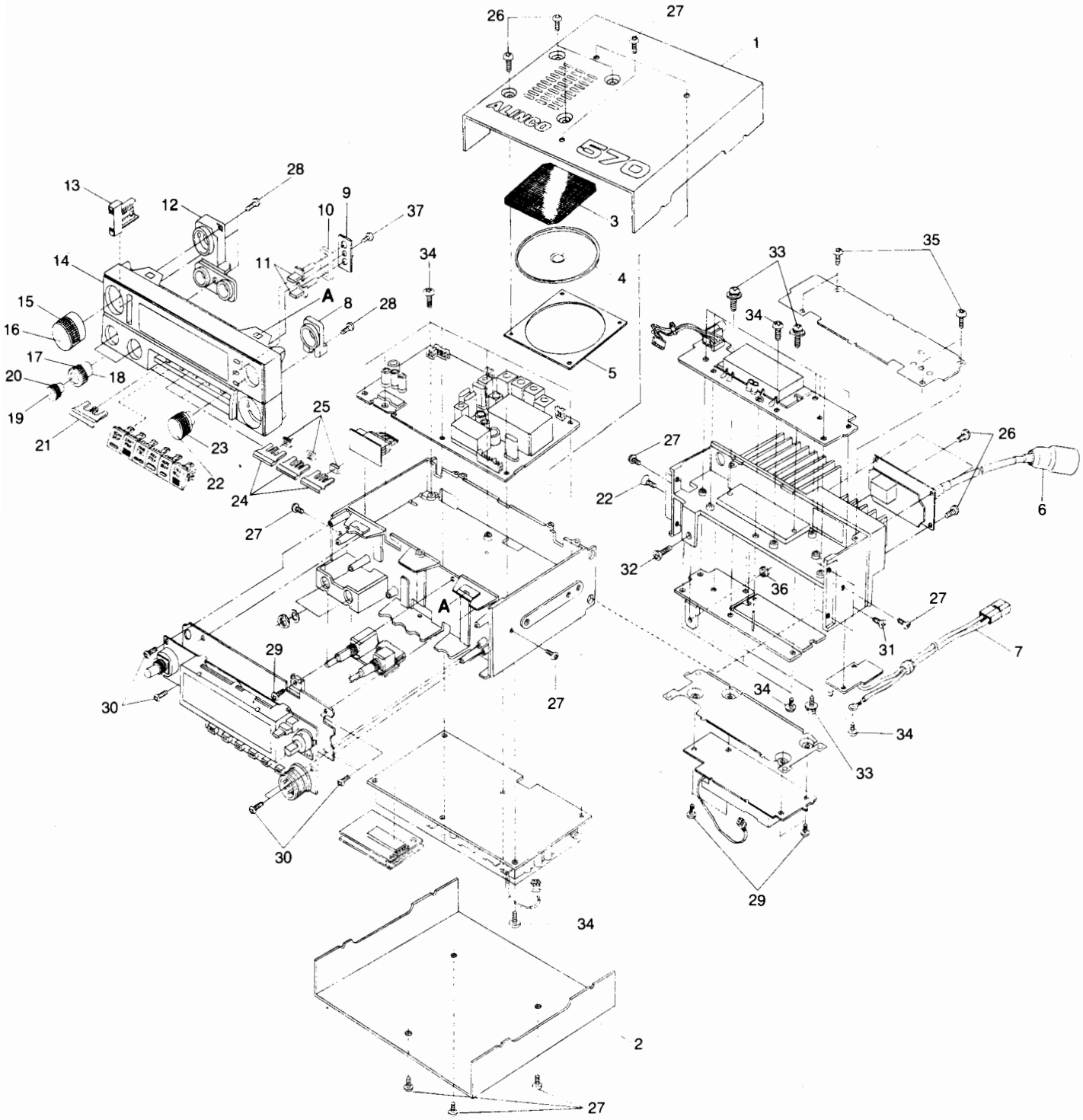
(1) Turn over Unit, and remove 6 screws (U).
(2) Disconnect 2 soldered portions (V).



Removing VHF Final and UHF Final PCBs

(1) Remove 7 screws (W), 2 screws (X), and Disconnect soldered portion (Y).

■ CABINET PARTS LOCATION



Ref. No.	Part Code	Part Name and Number
Mechanical Parts		
1	KU0061	Upper Case
2	KS0033	Lower Case
3	FF0013	SP Sheet
4	ES0001	Speaker 57S38-1
5	ST0009	SP Metal Crasp
6	UE0082	Coaxial Cable
7	UA0002	DC Power Cable
8	DG0009	Encoder light (S) 32G0009
9	FM0030	TS Plate 37M0030
10	FG0043	Tact Knob Sponge 37G0043
11	NB0023	Tact Switch Knob 33B0023
12	DG0008	Encoder light (L) 32G0008

Ref. No.	Part Code	Part Name and Number
13	NB0024	UD Knob 33B0024
14	KM0059A	Front Panel
15	ND0009	Dial Rubber (L)
16	NK0011	Dial Knob (L)
17	ND0012	Squelch Rubber
18	NW0003	Squelch Knob
19	NK0013	Volume Knob
20	ND0011	Volume Rubber
21	NB0025	Light Knob (L) 33B0025
22	NK0012	Dial Knob (S)
23	ND0010	Dial Rubber (S)
24	NB0026	Light Knob (S) 33B0026
25	FG0042	Light Knob Sponge 37G0042

Ref. No.	Part Code	Part Name and Number
Screws		
26	AA0003	M2.6×5
27	AA0008	M2.6×6
28	AP0006	M2×6
29	AA0030	M2.6×5
30	AA0027	M2×4
31	AA0022	M3×6
32	AA0029	M3×10
33	AD0001	M3×8
34	AJ0015	2.6×6 (tap)
35	AF0011	M2.6×4
36	AN0010	Nut M3-1
37	AF0012	M2×4

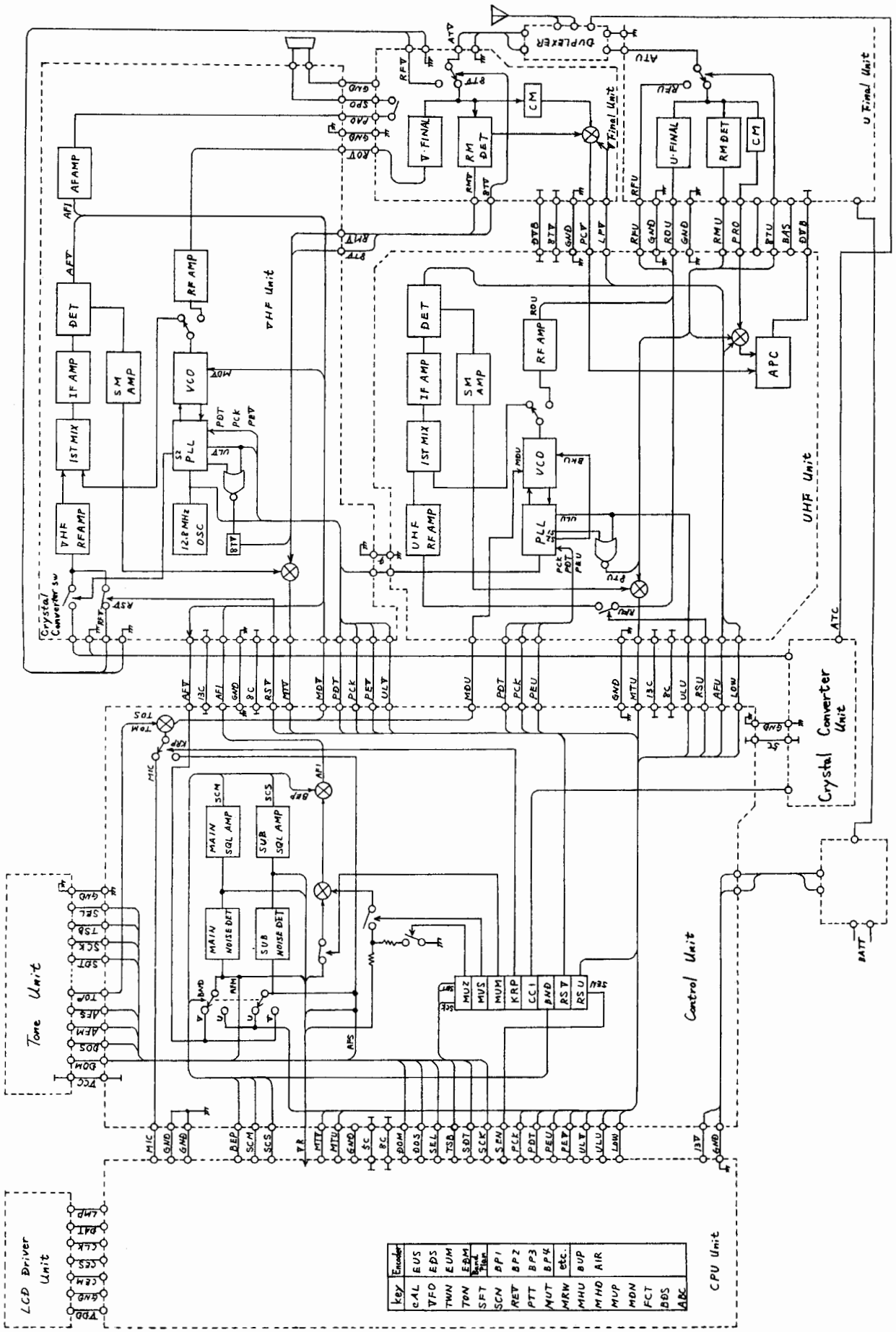
■ ADJUSTMENT (VHF)

Item	Adjustment point(s)	Adjustment method
VCO Voltage	[D] TC1 TC2 (VCO BOX)	At 445.000 MHz (T) or 435.000 MHz (E), adjust TC1 so that the voltage of TP3 on [B] substrate is 1.8 V.
		At 445.000 MHz (T) or 435.000 MHz (E), pressing the PTT button, adjust TC2 so that the voltage of TP3 on [B] substrate is 3.8 V.
	[E] L4 (VCO BOX)	At 145.000 MHz, adjust TP2 so that the voltage of TP2 on [A] substrate is 4.0 V.
Basic Frequency	[A] TC1	Pressing PTT button, adjust TC1 so that f-counter indicates 444.950 ±0.1 kHz (T) or 434.950 ±0.1 kHz (E) MHz.
TX Power	[O] VR2 VR3	On "LO" position, pressing the PTT button, adjust VR2 and VR3 so that the power is maximum at 145.95 MHz (T) or 144.95 MHz (E).
Power Output	[O] VR2 (Hi)	On "Hi" position, turn VR2 for 46 W output at 145.95 MHz (T) or 144.95 MHz (E). Verify the lighting of the entire RF meter.
	[O] VR4 (Lo)	On "Lo" position, turn VR4 for 5 W output at 145.95 MHz (T) or 144.95 MHz (E).
RF meter	[O] VR1	On "Lo" position, adjust VR1, so that [5] on the RF metter lights up at 145.95 MHz (T) or 144.95 (E).
Deviation	[A] VR3	Enter the AF level of OdBm, then pressing the PTT button, adjust VR3 so that you obtain 4.6 kHz/Dev at 145.95 MHz (T) or 1449.95 MHz (E) and AF 1 KHz.
Protection Circuit	[O] VR3	Disconnect the antenna, then pressing the PTT button and adjust VR3 so that the current consumption is 4.5 A at 145.95 MHz (T) or 144.95 MHz (E).
Subaudible Tone Deviation (DR-570T)		Pressing the tone button and the PTT button at 145.95 MHz, verify 0.5~1 kHz/Dev at tone frequency of 88.5 Hz.
1750 Hz Tone Deviation (DR-570E)		Connect Microphone (EHM-34A or 33A), then pressing the tone button, verify that the tone frequency is 1750 Hz and the deviation is 3.5 kHz ±0.5 kHz.
Discrimination	[A] L7, 8, 9	At 146.03 MHz (T) or 145.03 (E) and 60 dBμ input, adjust L7, 8, 9, so that the distortion is minimum at 50 m W.
Sensitivity	[A] L2, 3, 4, 5, 6	Adjust L2, 3, 4, 5, 6 so that 12 dB SINAD sensitivity is the highest at 146.03 MHz (T) or 145.03 MHz (E).
Squelch Sensitivity	[A] VR1	At 146.03 MHz (T) or 145.03 MHz (E), turn the main squelch knob to the minimum and cut SG output, then adjust VR1 so that the noise is maximum.

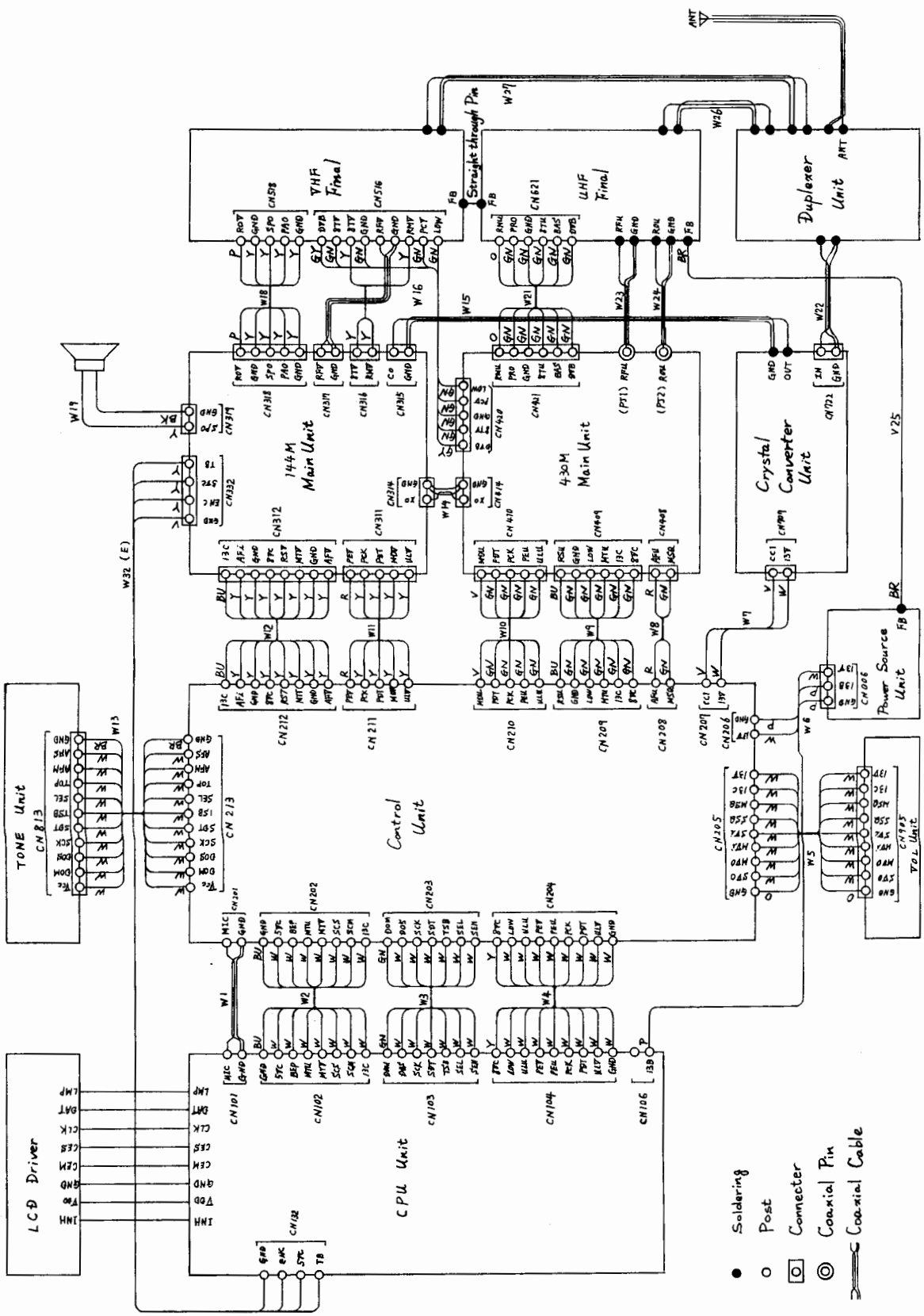
■ ADJUSTMENT (UHF)

Item	Adjustment point(s)	Adjustment method
VCO Voltage	[D] TC1 TC2 (VCO BOX)	At 445.000 MHz (T) or 435.000 MHz (E), adjust TC1 so that the voltage of TP3 on [B] substrate is 1.8 V.
		At 445.000 MHz (T) or 435.000 MHz (E), pressing the PTT button, adjust TC2 so that the voltage of TP3 on [B] substrate is 3.8 V.
	[E] L4 (VCO BOX)	At 145.000 MHz, adjust TP2 so that the voltage of TP2 on [A] substrate is 4.0 V.
TX Power	[B] VR5	On "Lo" position, pressing the PTT button, adjust VR5 so that the power is maximum at 444.95 MHz (T) or 434.95 MHz (E).
Power Output	[B] VR5 (Hi)	On "Hi" position, turn VR5 for 35 W output at 444.95 MHz (T) or 36 W output at 434.95 MHz (E). Verify the lighting of the entire RF meter.
	[B] VR7 (Lo)	On "Lo" position, turn VR7 for 5 W output at 444.95 MHz (T) or 434.95 (E).
RF meter	[B] VR6	On "Lo" position, adjust VR1 so that [5] on the RF meter lights up at 444.95 MHz (T) or 434.95 MHz (E).
Deviation	[B] VR3	Enter the AF level of QdBm, then pressing the PTT button, adjust VR3 so that you obtain 4.6 KHz/Dev at 444.95 MHz (T) or 434.95 MHz (E) and AF 1 kHz.
Subaudible Tone Deviation (DR-570T)		Pressing the tone button and the PTT button at 444.95 MHz, verify 0.5~1 kHz/Dev at tone frequency of 88.5 Hz.
1750 Hz Tone Deviation (DR-570E)		Connect Microphone (EHM-34A or 33A), then pressing the tone button, verify that the tone frequency is 1750 Hz and the deviation is 3.5 (±0.1) kHz.
Helical Filter	[B] TC1, 2 L3, 4	Connect a tracking generator to the antenna and a spectrum analyser to TP1, then adjust TC1, 2 and L3, 4 so that the sensitivity is at its peak between 440 and 450 MHz at maximum gain. (570 E: 430−440 MHz)
Discrimination	[B] L9, 11	At 445.03 MHz (T) or 435.03 MHz (E) and 60 dBμ input, adjust L9, 11 so that the distortion is minimum at 50m W.
Sensitivity	[B] L8, TC3	Adjust L8 and TC3 so that 12 dB SINAD sensitivity is the highest at 445.03 MHz (T) or 435.03 MHz (E).
Squelch	[B] VR1	1) At 146.03 MHz (T) or 145.03 MHz (E) of the main band, cut the SG output power and adjust the main squelch knob so that the noise is intermittent. 2) At 445.03 MHz (T) or 435.03 MHz (E) of the main band, cut the SG output power and adjust VR1 so that the noise is intermittent.
S-meter	[B] VR2	At 445.03 MHz (T) or 435.03 MHz (E) and-3 dBμ [EMF], adjust VR2 so that [1] in the S-meter begins to light.

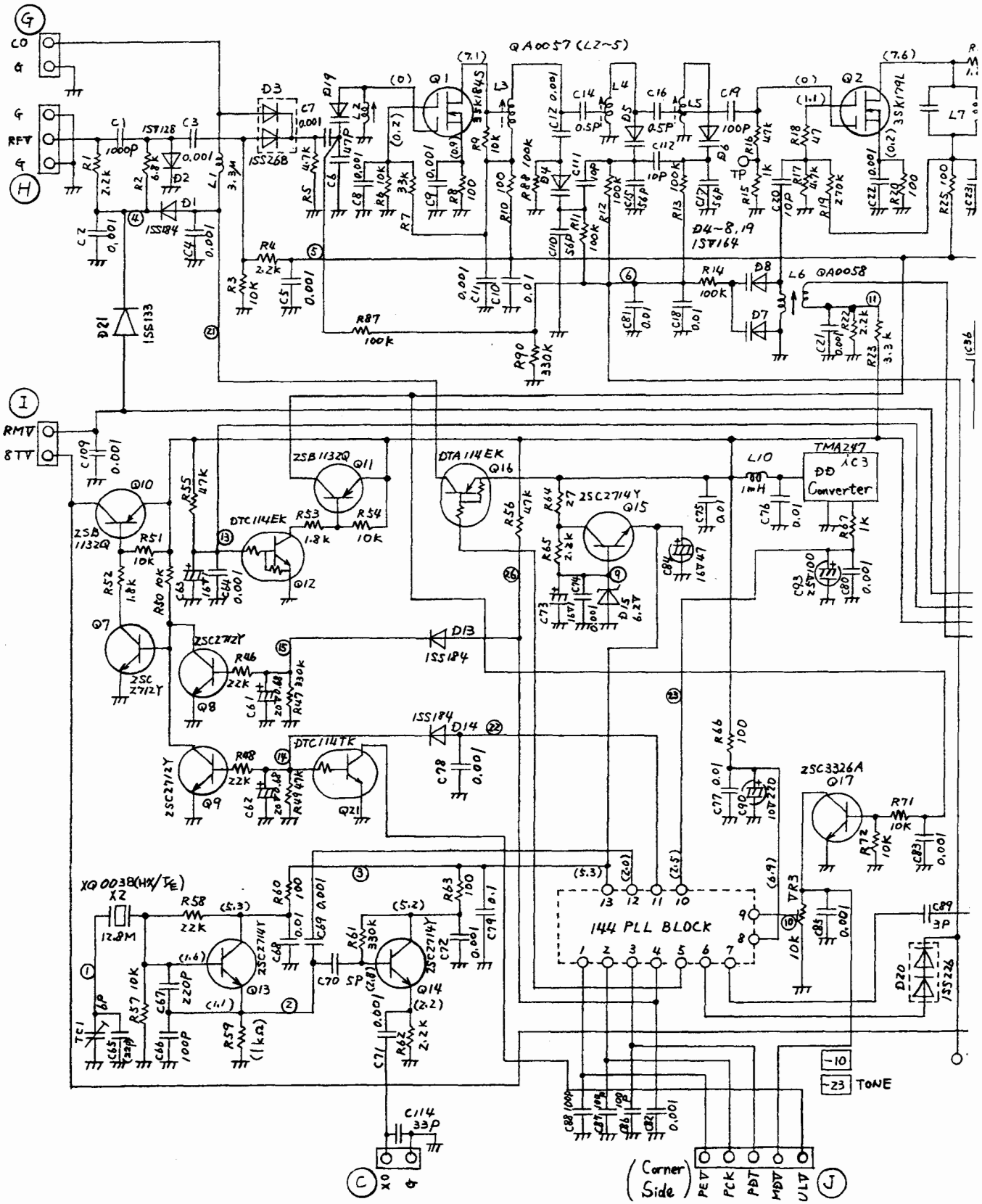
■ BLOCK DIAGRAM

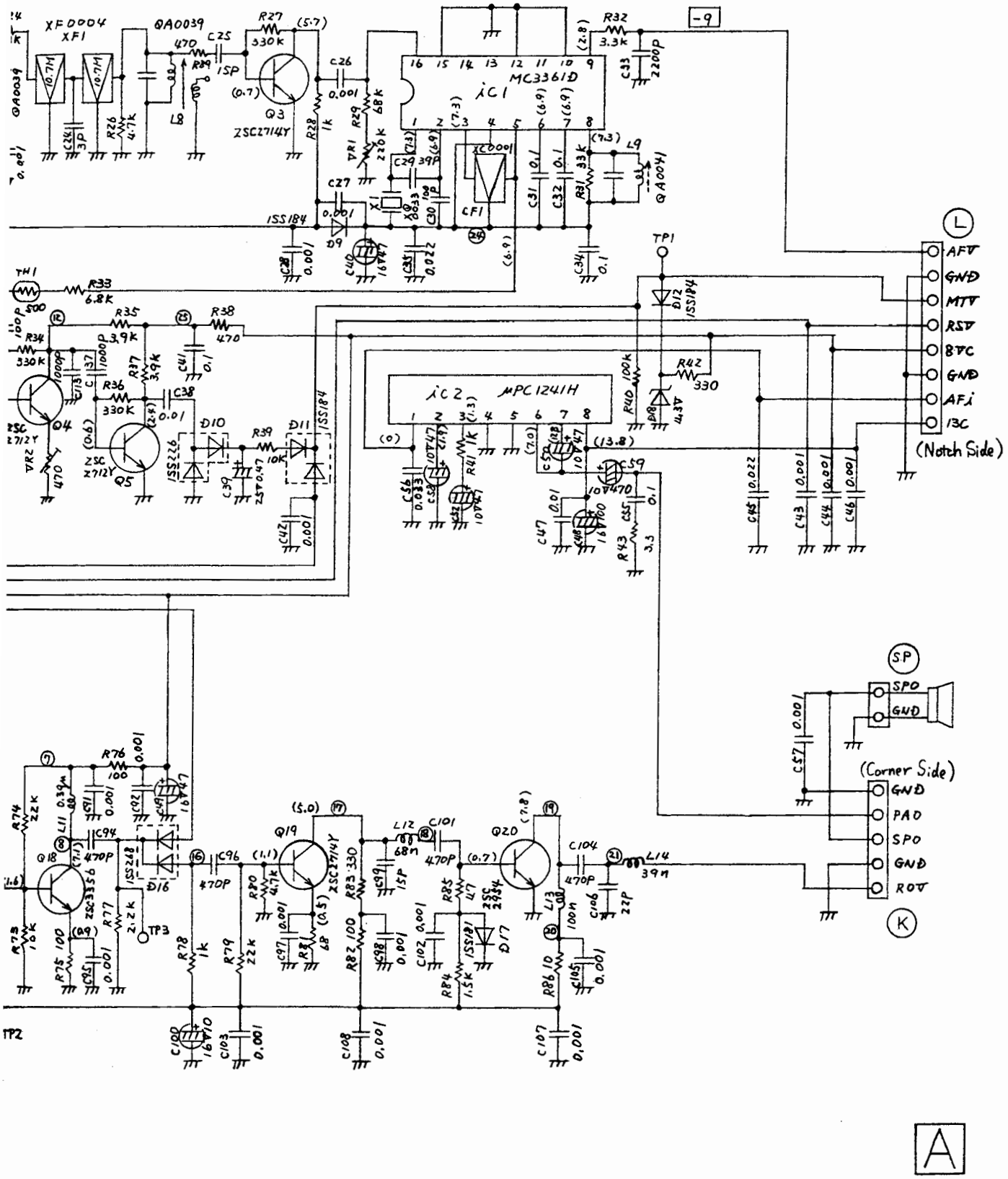


■ CONNECTION DIAGRAM

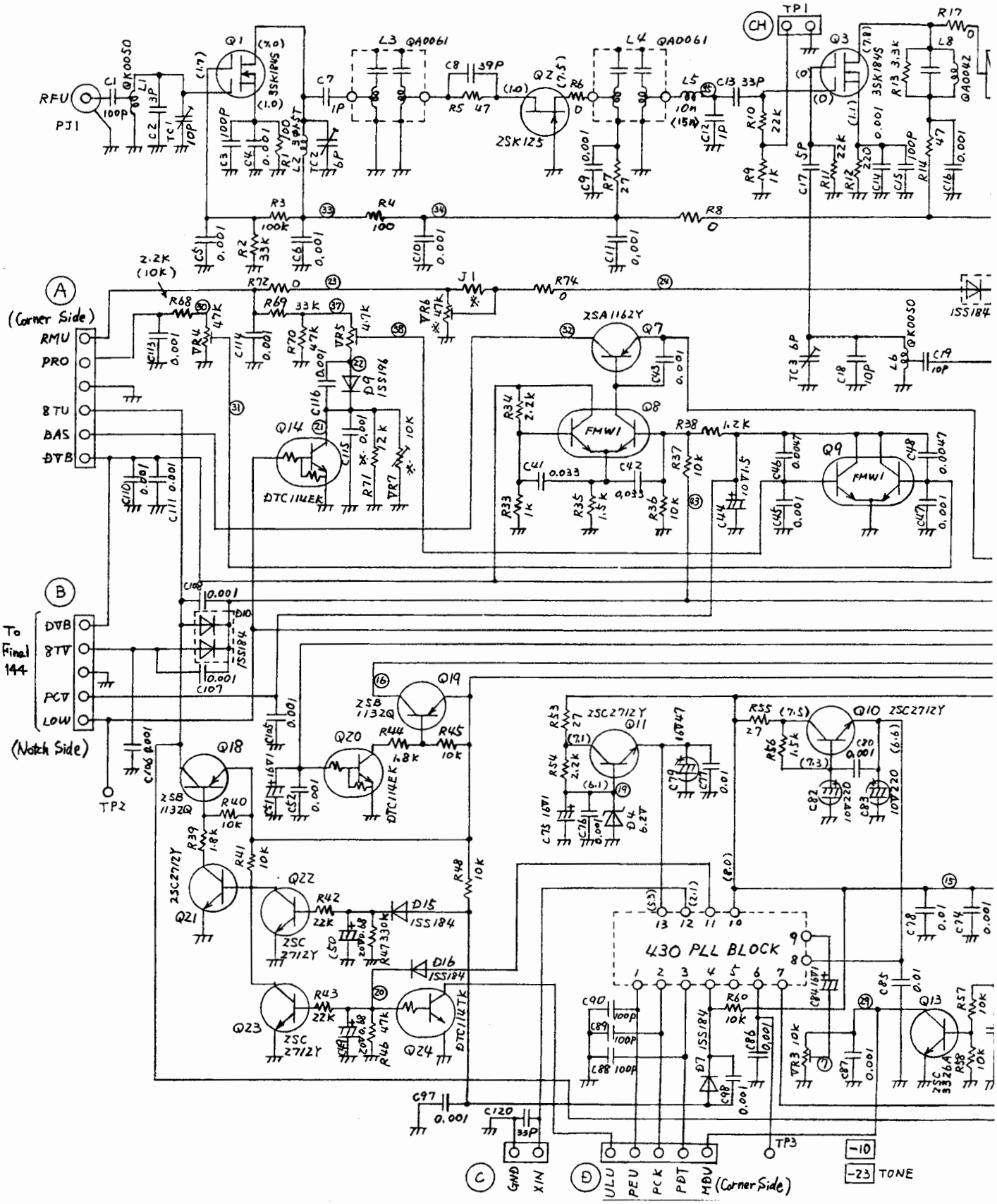


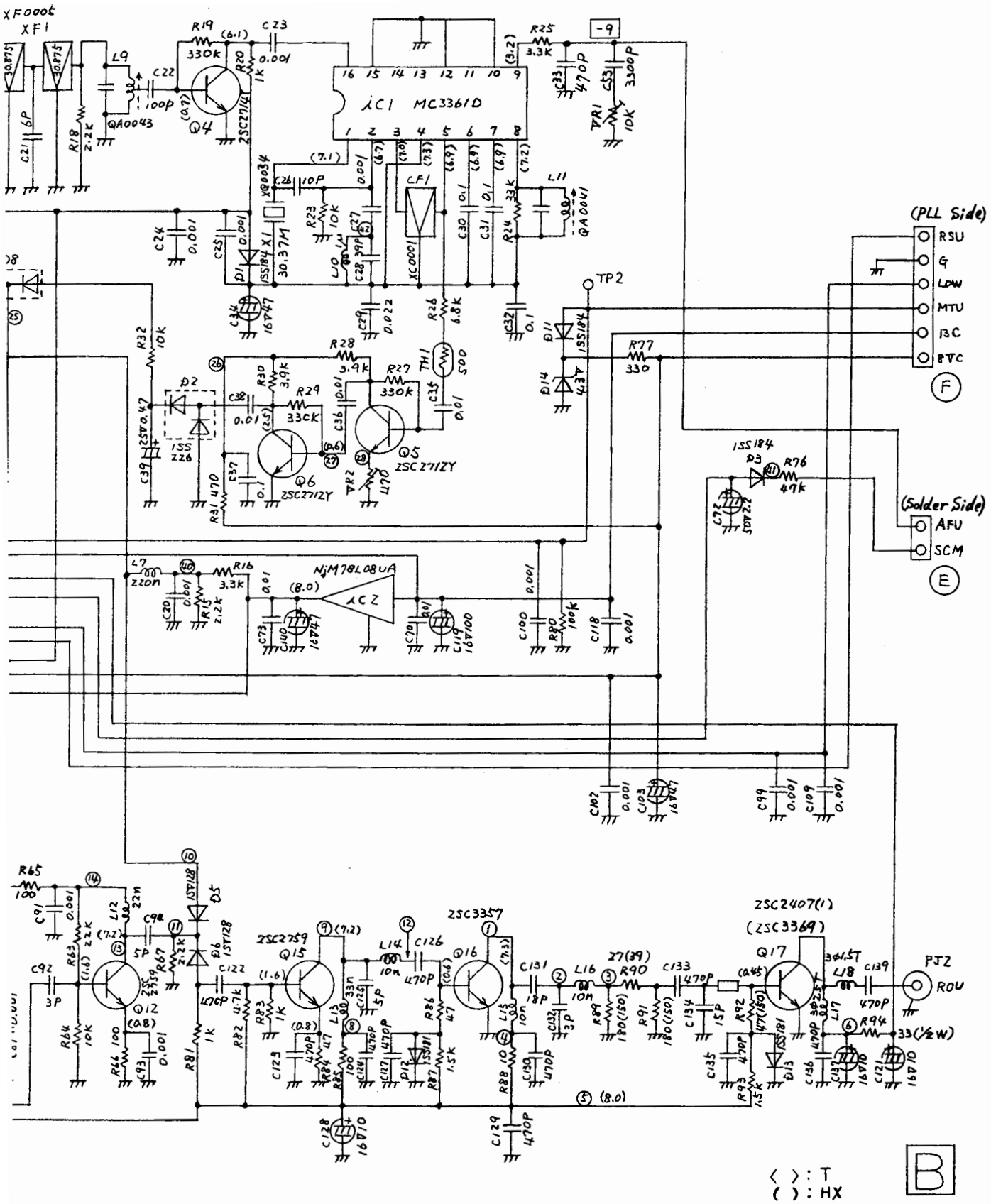
■ VHF MAIN SCHEMATIC DIAGRAM



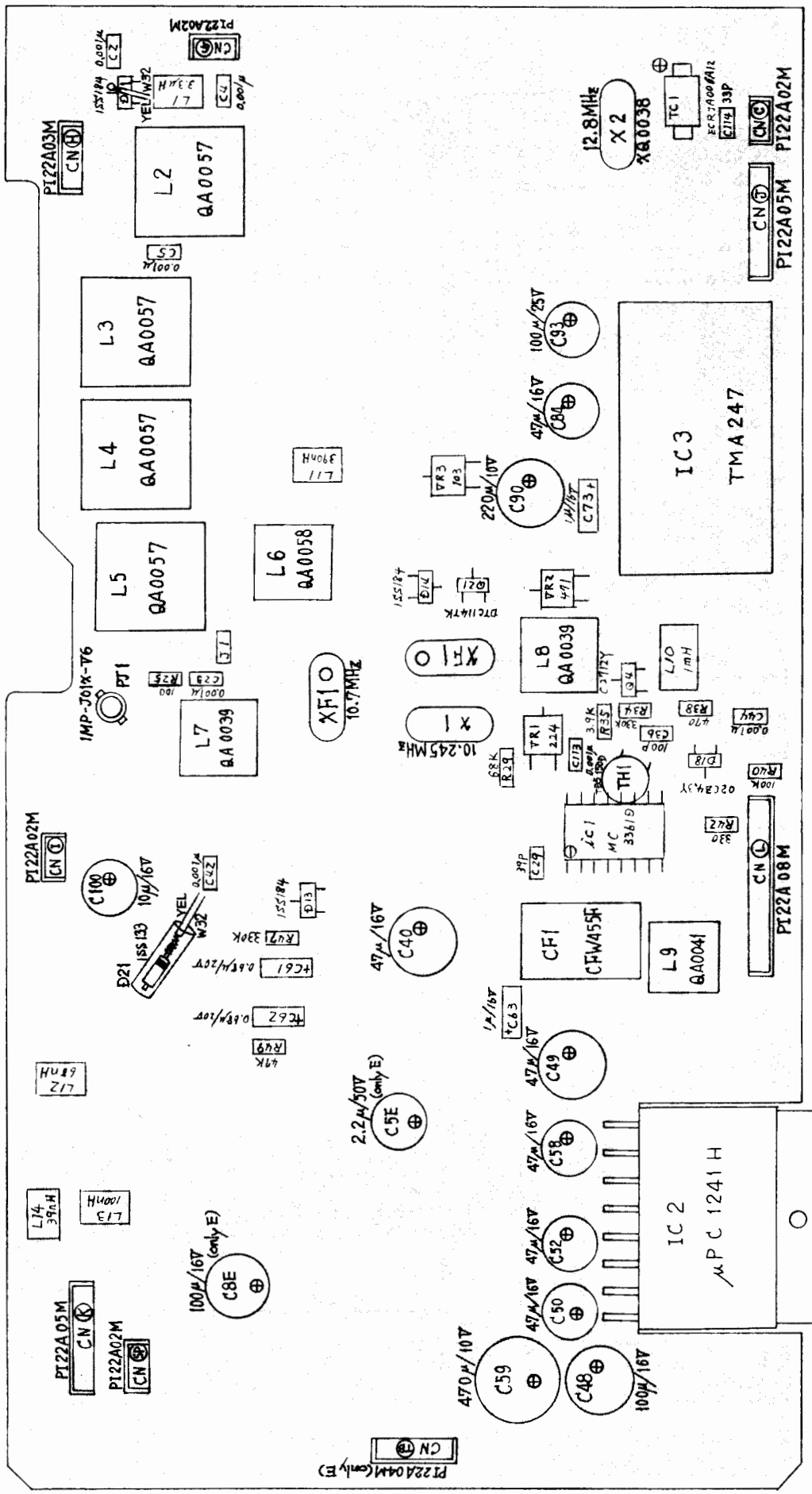

XF0004
XF1
QA0039
R27
330k
C25
ISP
C26
0.001
R32
3.3k
C33
2200P
MC3361D
IC1
Q3
2SC2714Y
R28
1k
R29
68k
VR1
220k
C29
39P
XC0001
CF1
C27
C30
100P
C31
C32
R31
33k
L9
QA0041
ISS184
D9
C28
C40
C35
0.022
C34
0.1
TP1
D12
ISS184
TH1
R33
6.8k
R35
3.9k
R38
470
R34
330k
C37
C36
R37
3.9k
C41
0.1
R36
330k
C38
0.01
Q4
2SC2712Y
Q5
2SC2712Y
D10
ISS226
D11
R39
10K
C39
2SF0.47
C42
0.001
IC2
MPC1241H
R40
100k
R42
330
D8
4.3V
C56
0.033
C58
10V47
R41
1K
C52
10V47
C59
10V470
C47
0.01
C48
16V100
C55
0.1
R43
3.3
C45
0.022
C43
0.001
C44
0.001
C46
0.001
L
AFV
GND
MTV
RSV
BTC
GND
AFi
13C
(Notch Side)
SP
SPO
GND
C57
0.001
(Corner Side)
GND
PAD
SPO
GND
ROV
K
R74
22K
L11
0.39m
C91
0.001
C92
C93
16V47
C94
470P
Q18
2SC3356
R73
10K
R75
100
C95
0.001
R77
2.2K
TP3
D16
ISS248
C96
470P
R76
100
C98
0.001
Q19
2SC2714Y
R80
4.7K
R81
68
R82
100
R83
330
C99
ISP
L12
68n
C101
470P
Q20
2SC2714Y
R85
47
C102
0.001
D17
ISS181
R84
1.5K
L13
100n
C104
470P
L14
39n
C106
22P
R86
10
C105
0.001
R78
1K
R79
22K
C100
16V10
C103
0.001
C108
0.001
C107
0.001
TP2
A

■ UHF MAIN SCHEMATIC DIAGRAM



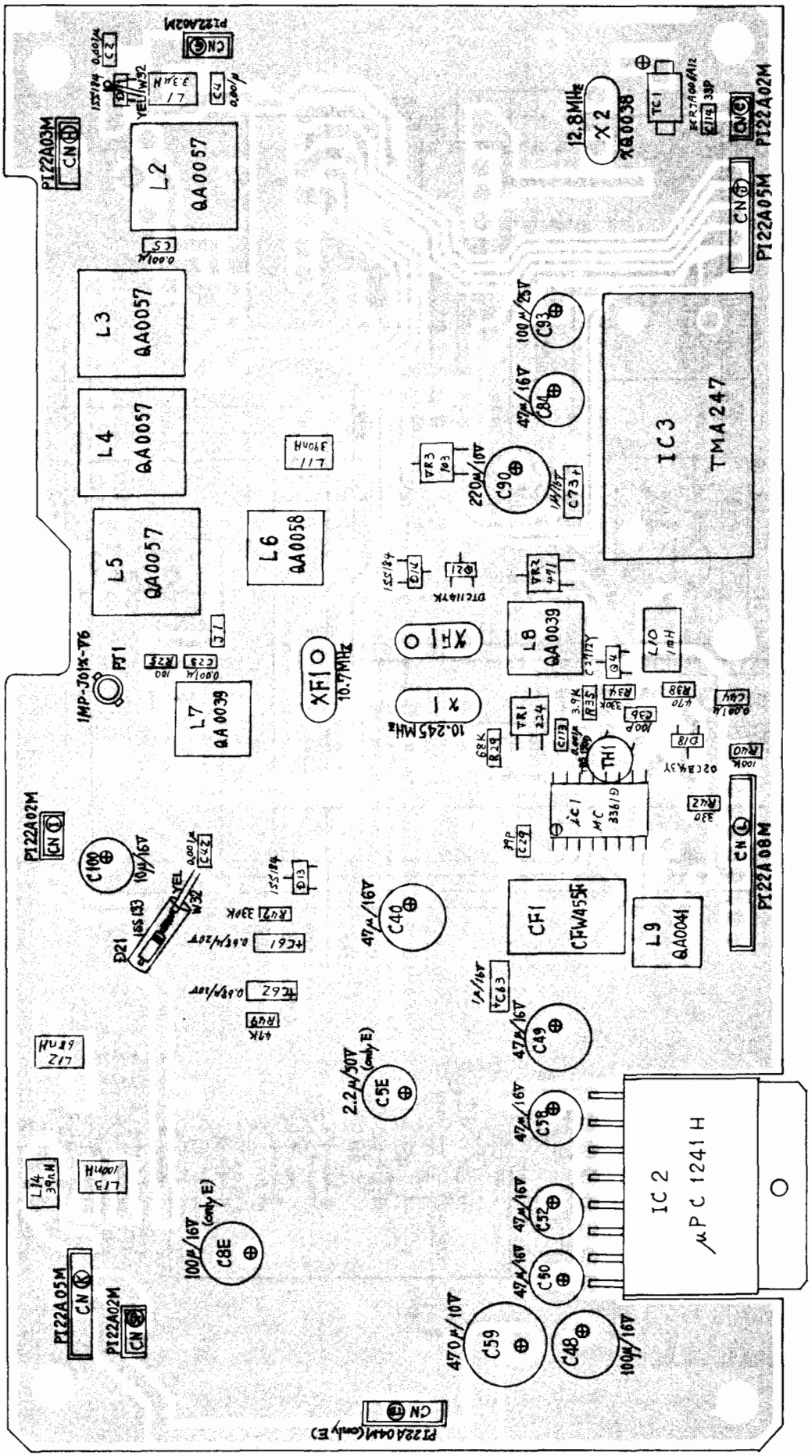

XF0006
XF1
IC1 MC3361D
(PLL Side)
RSU
G
LOW
MTU
BC
BTC
F
TP2
(Solder Side)
AFU
SCM
E
NJM78L08UA
ZSC2759
ZSC3357
ZSC2407(1)
(ZSC3369)
PJ2
ROU
B
( ) : T
( ) : HX

■ VHF MAIN PC BOARD

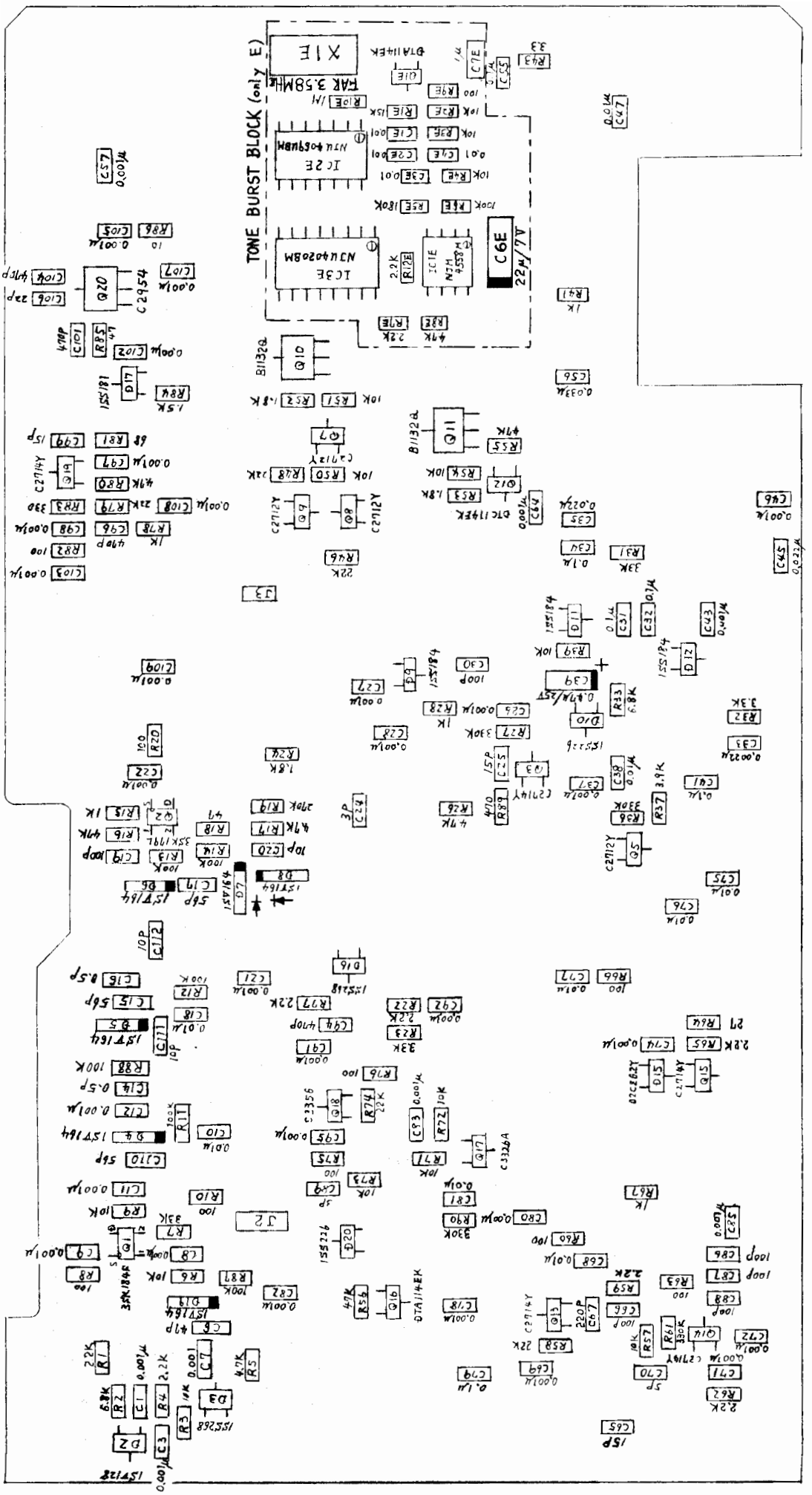


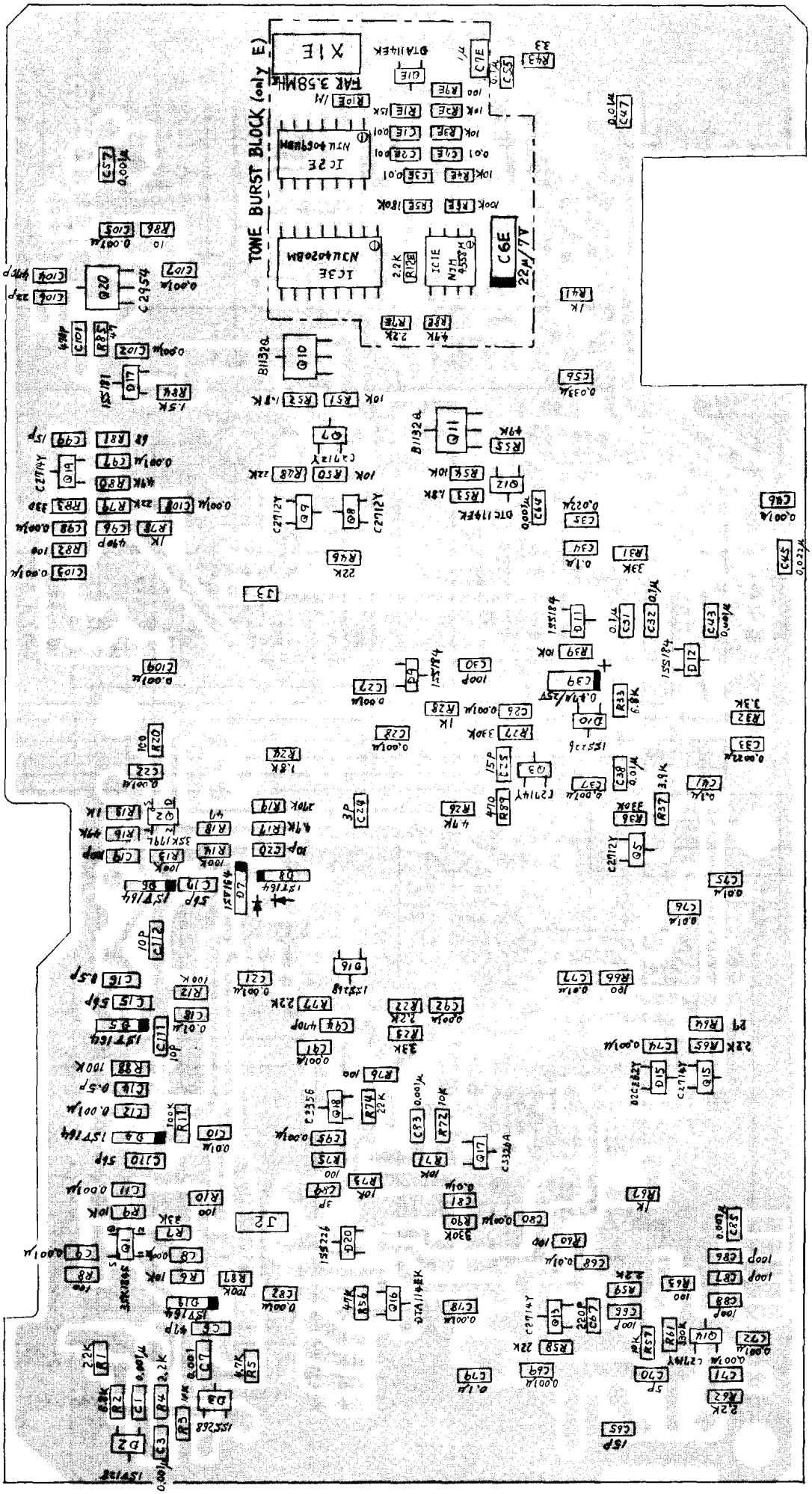
(Part)

■ VHF MAIN PC BOARD

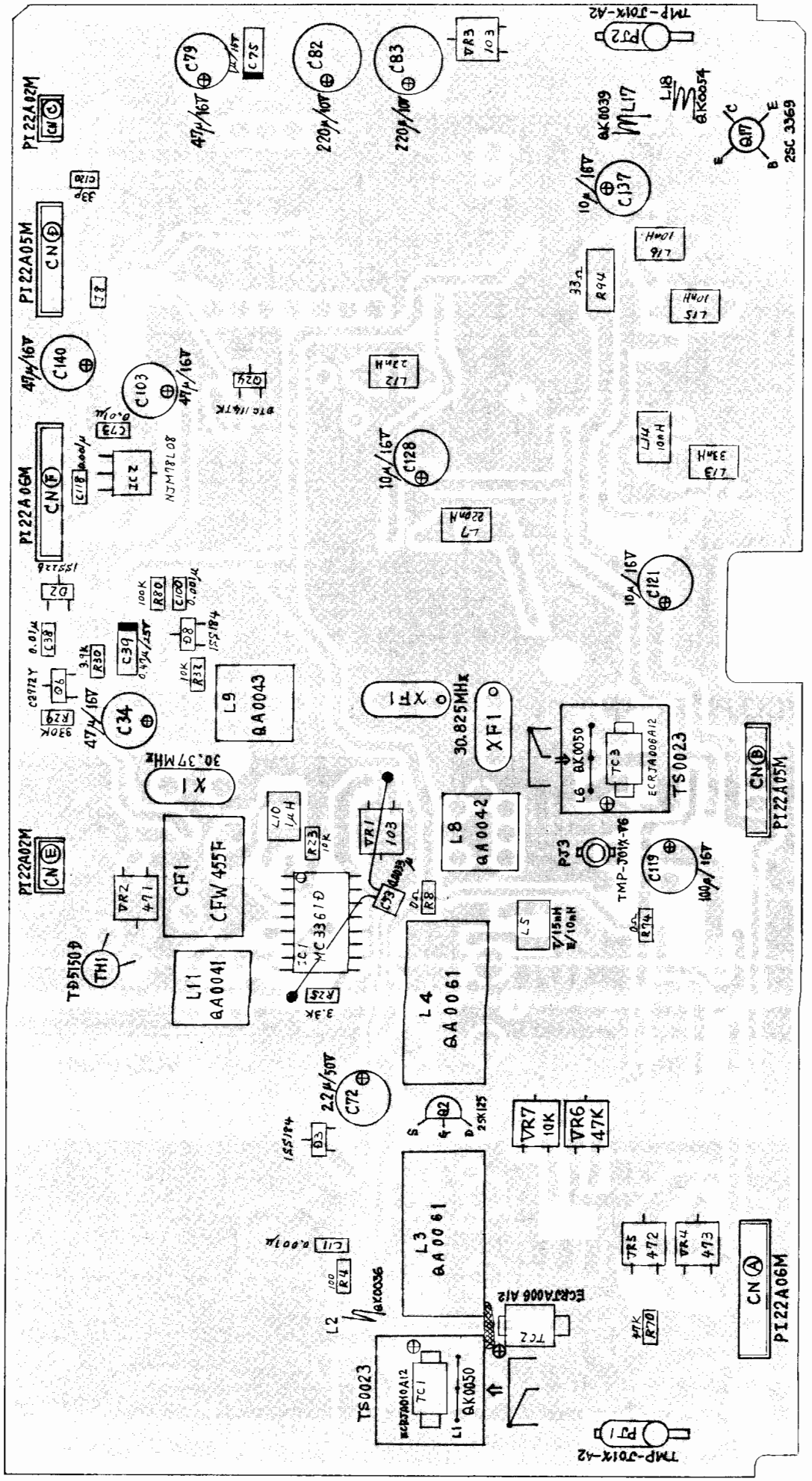


(Part)


TONE BURST BLOCK (only E)
X1E
FAR 3.58MHz
IC 2E
IC3E
C6E
22μ/7V
(Solder)

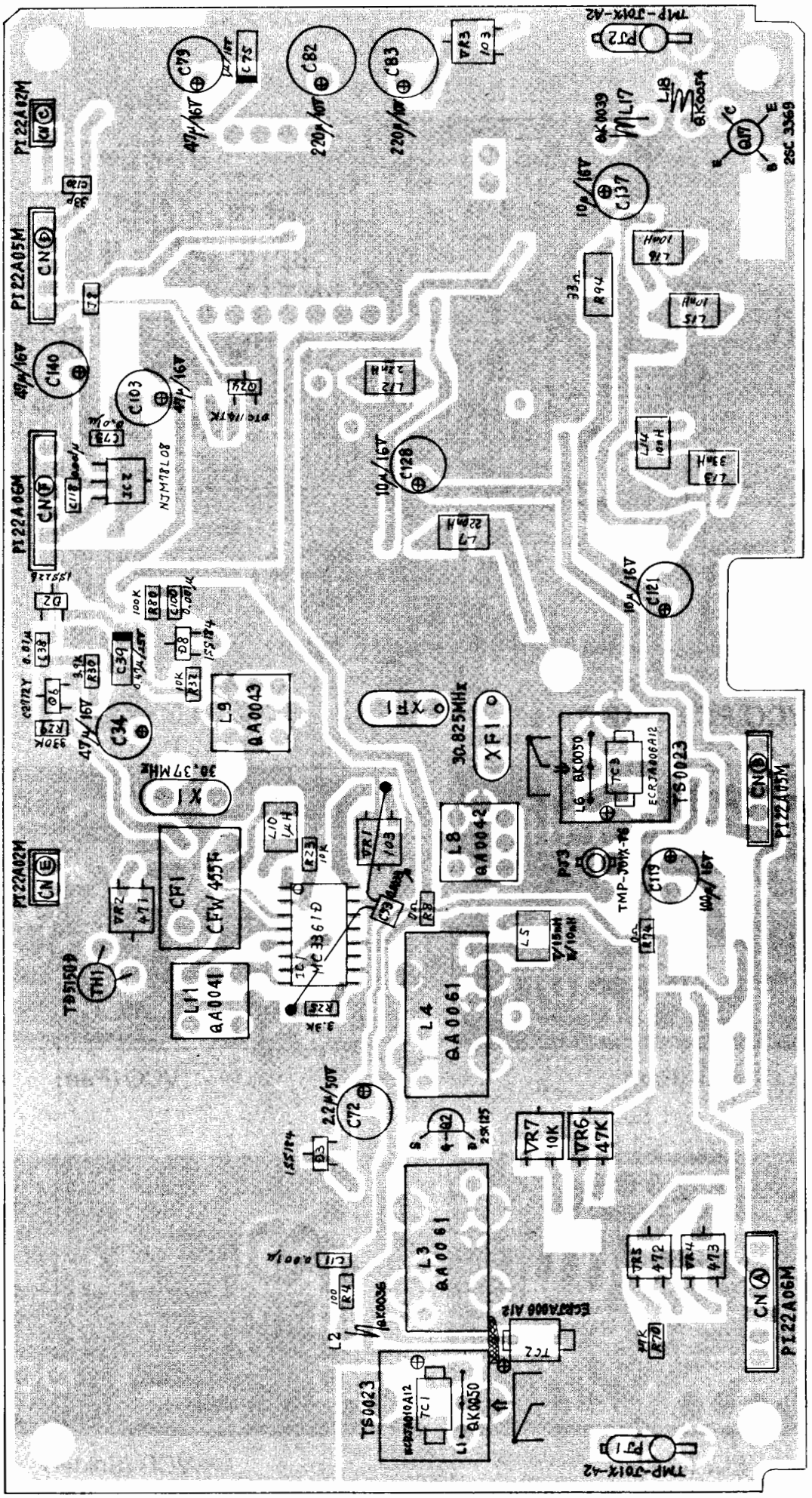

TONE BURST BLOCK (only E)
X1E
FAR 3.58MHz
IC2E
NJU4020BM
IC3E
NJU4020BM
C6E
22μ/7V
Q20
2SC2954
Q10
Q11
Q12
Q7
Q6
Q8
Q5
Q16
Q17
Q18
Q13
Q14
Q15
Q4
Q3
Q2
Q1
D18
D8
D9
D10
D11
D12
D13
D2
D3
J3
J2
C39
0.47μ/25V
(Solder)

■ UHF MAIN PC BOARD

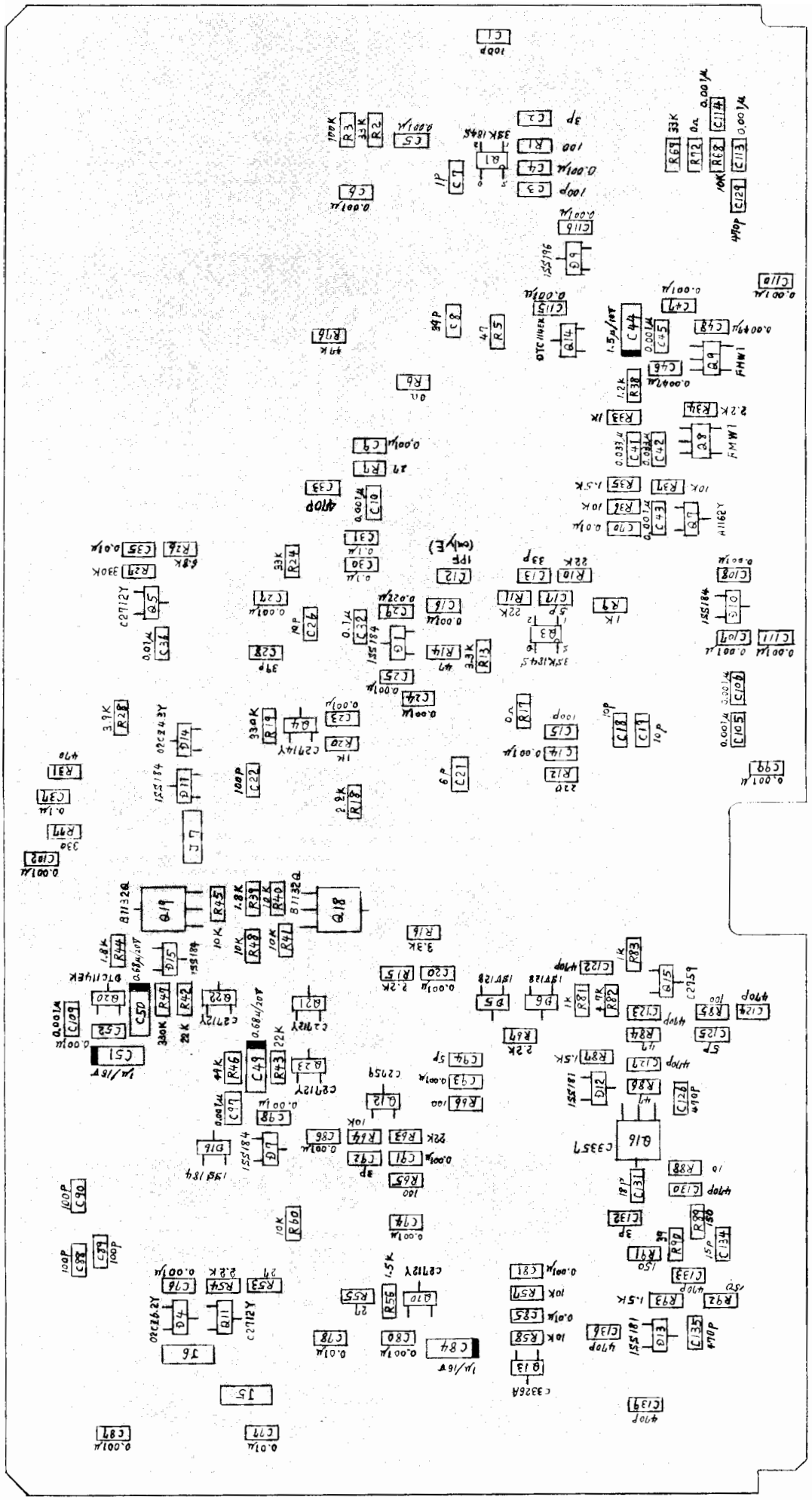


(Part)

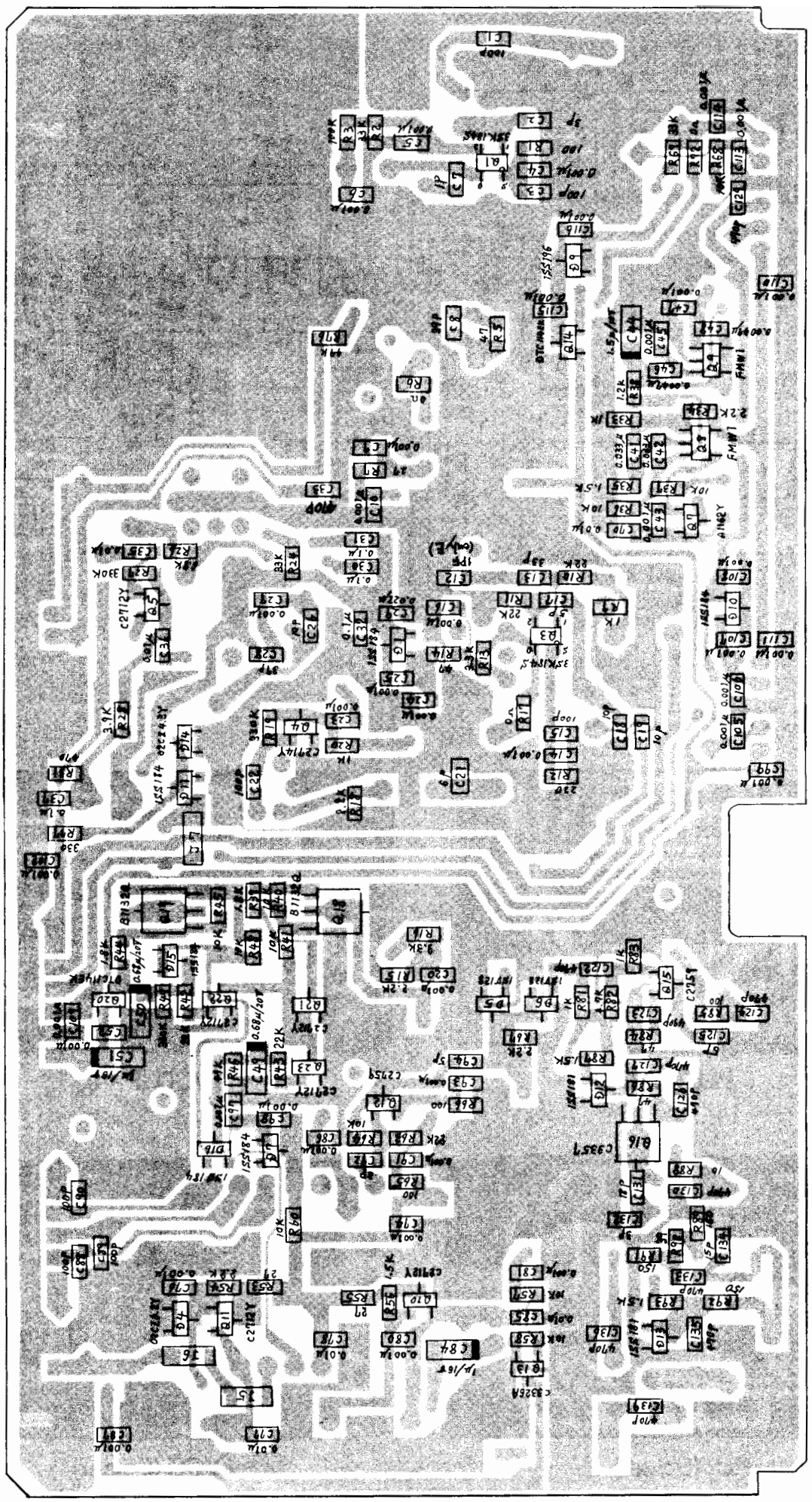
■ UHF MAIN PC BOARD



(Part)

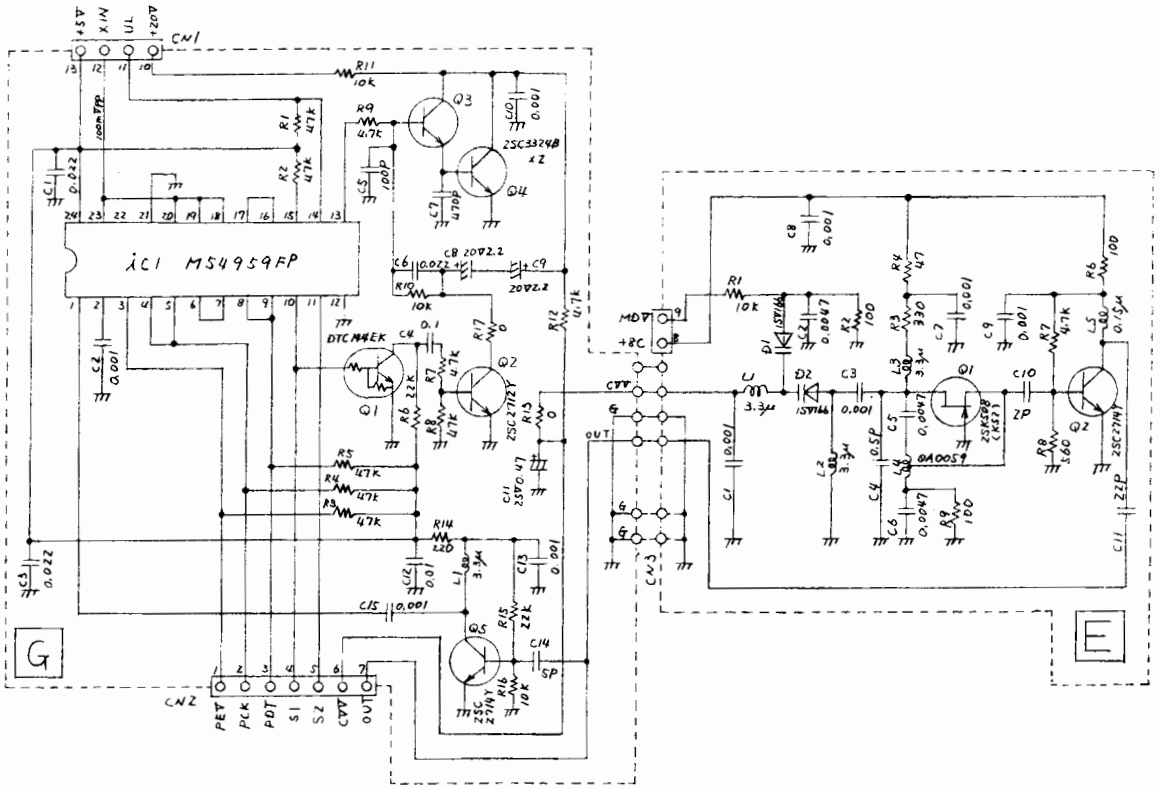


(Solder)

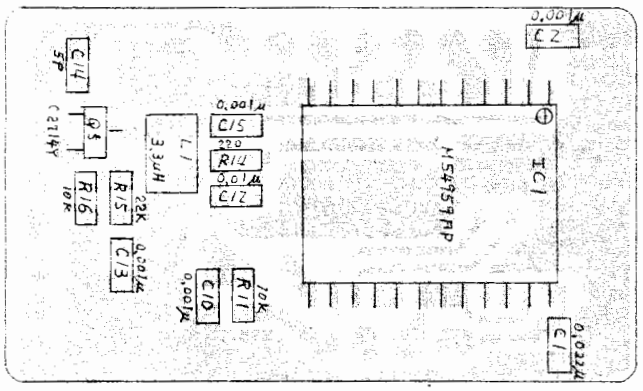


(Solder)

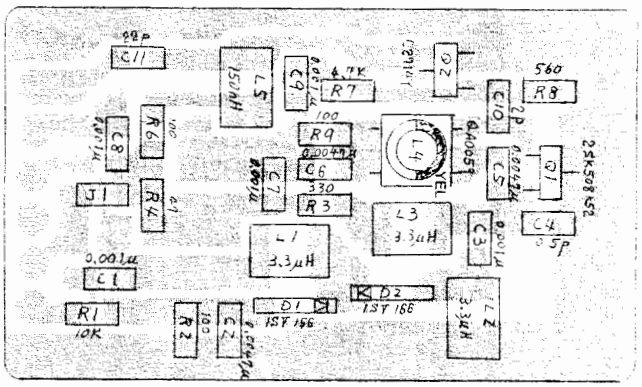
■ VHF PLL, VCO SCHEMATIC DIAGRAM



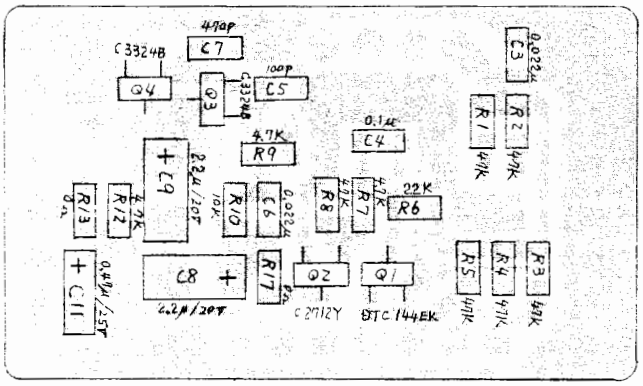
■ VHF PLL, VCO PC BOARD



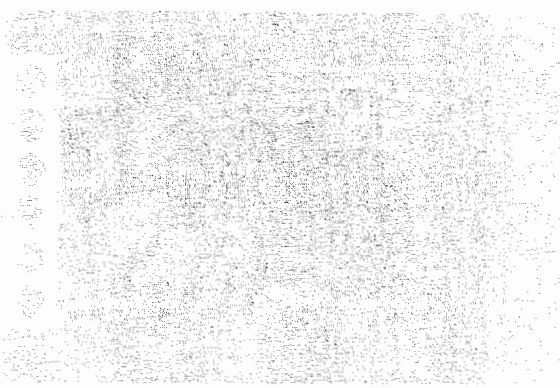
PLL (Part)



VCO (Part)

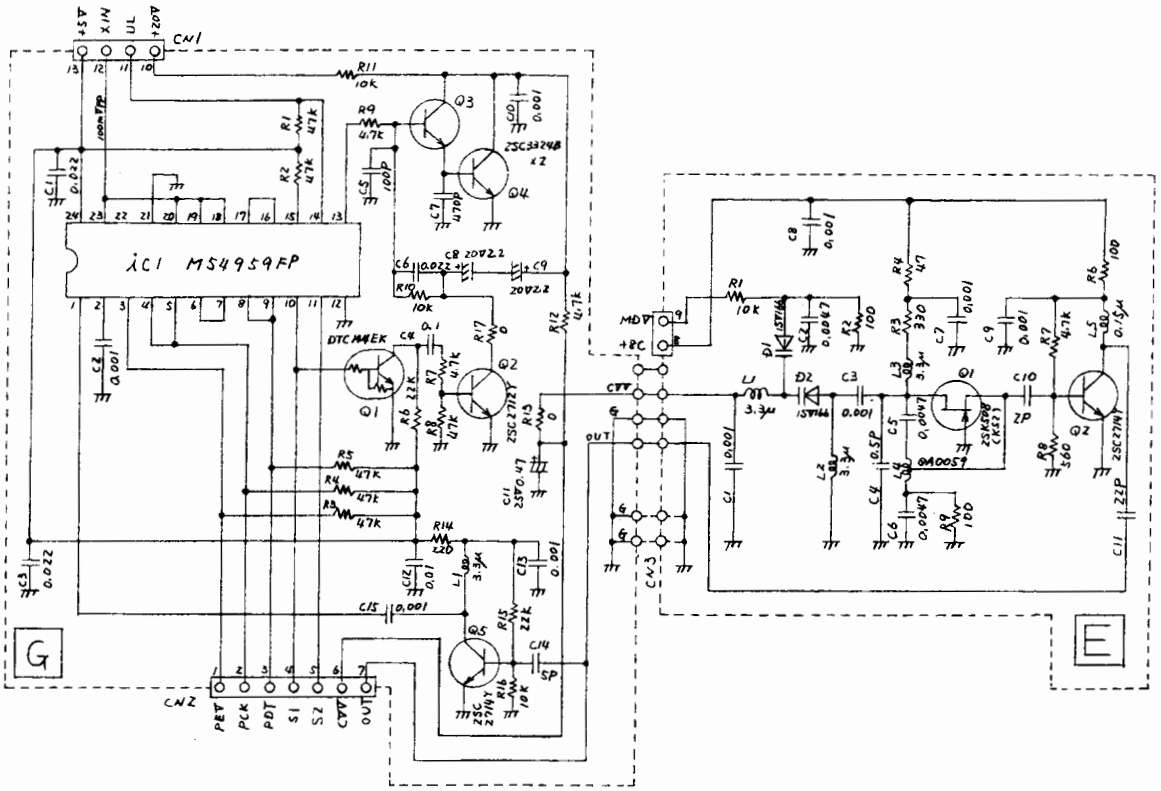


PLL (Solder)

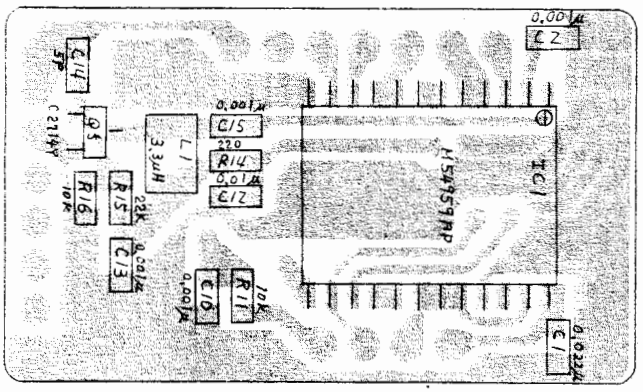


VCO (Solder)

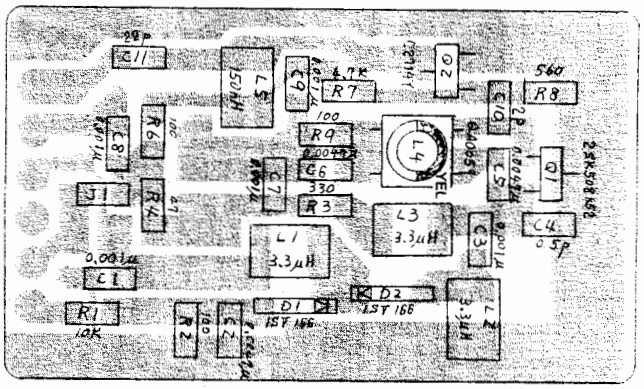
■ VHF PLL, VCO SCHEMATIC DIAGRAM



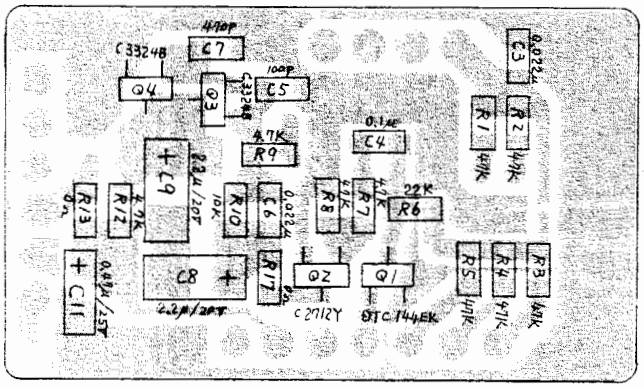
■ VHF PLL, VCO PC BOARD



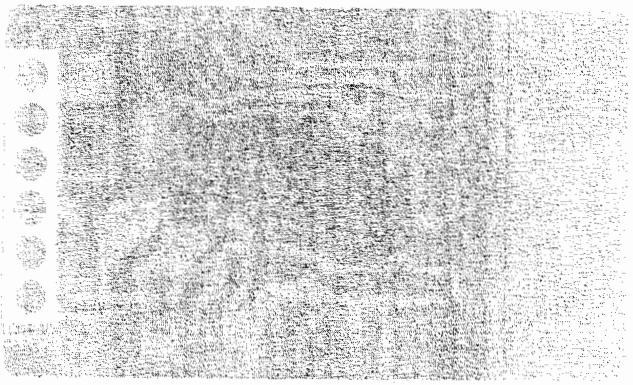
PLL (Part)



VCO (Part)

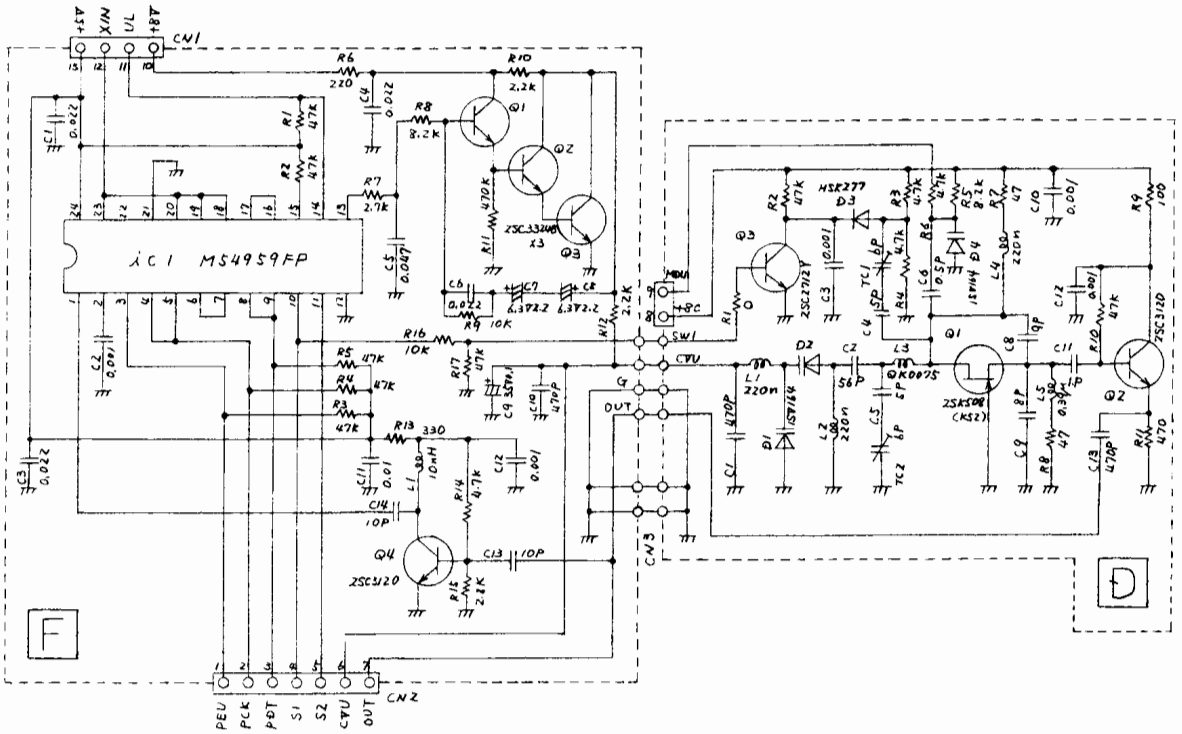


PLL (Solder)

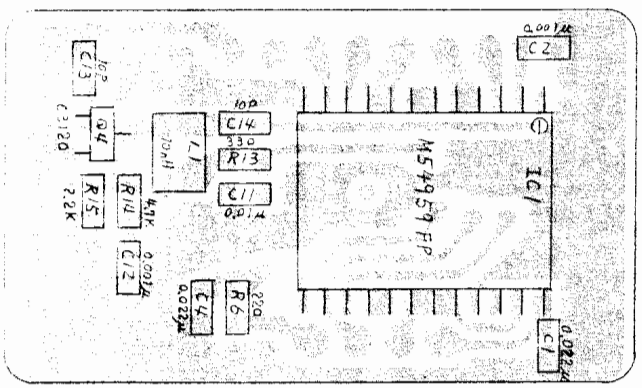


VCO (Solder)

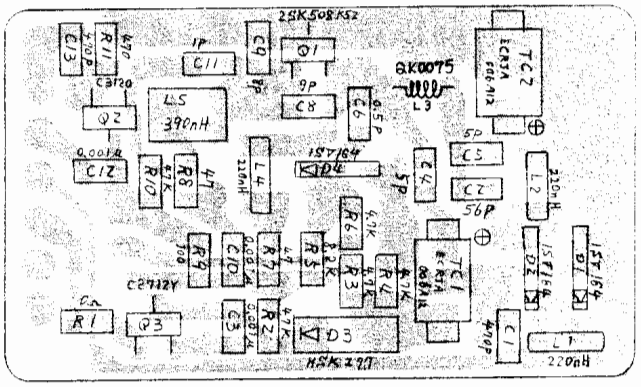
■ UHF PLL, VCO SCHEMATIC DIAGRAM



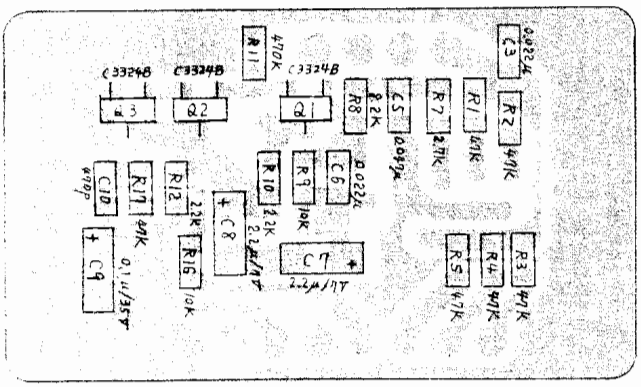
■ UHF PLL, VCO PC BOARD



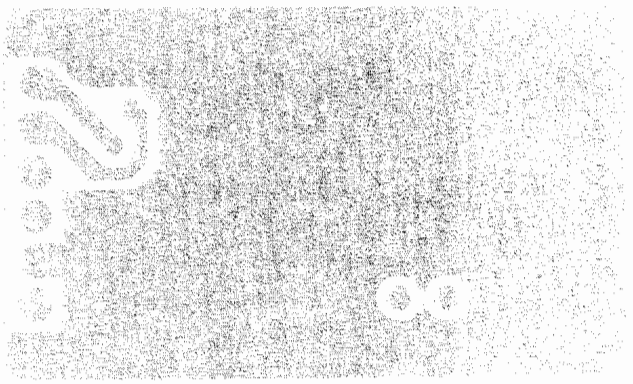
PLL (Part)



VCO (Part)

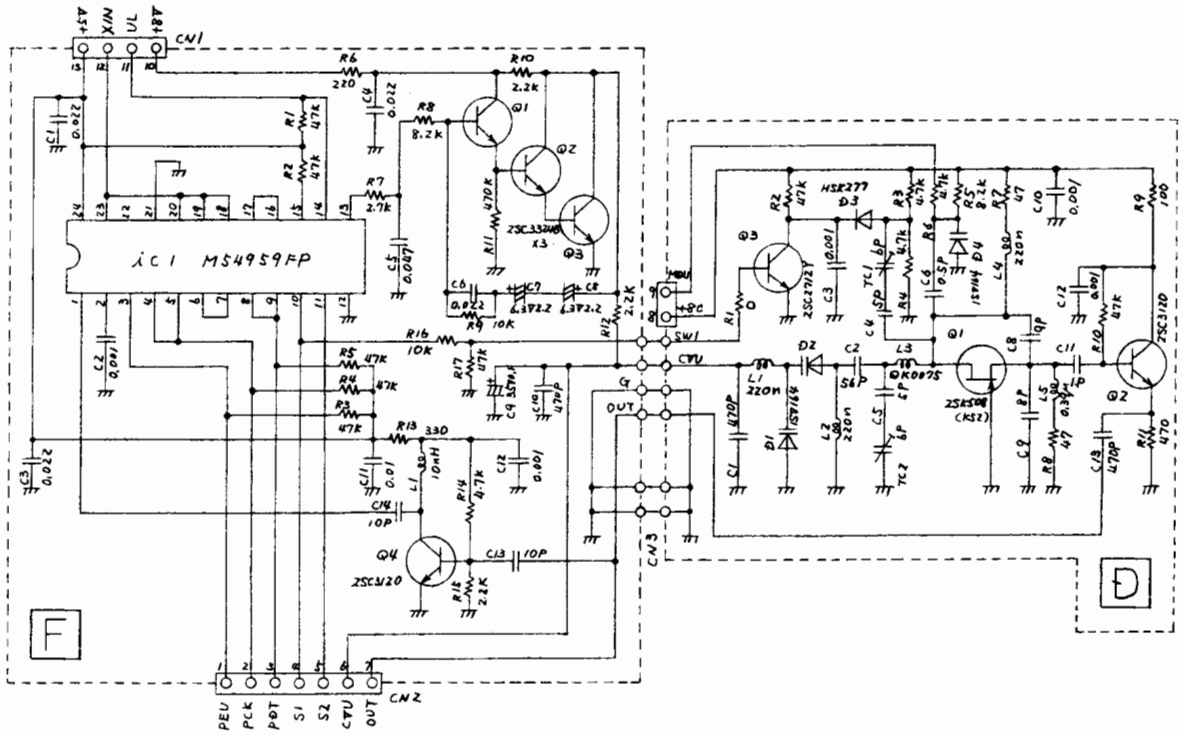


PLL (Solder)

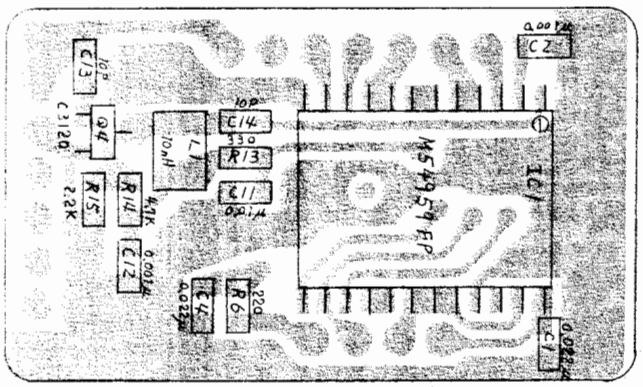


VCO (Solder)

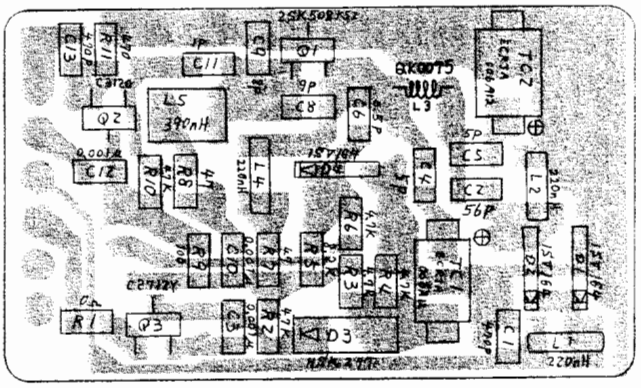
■ UHF PLL, VCO SCHEMATIC DIAGRAM



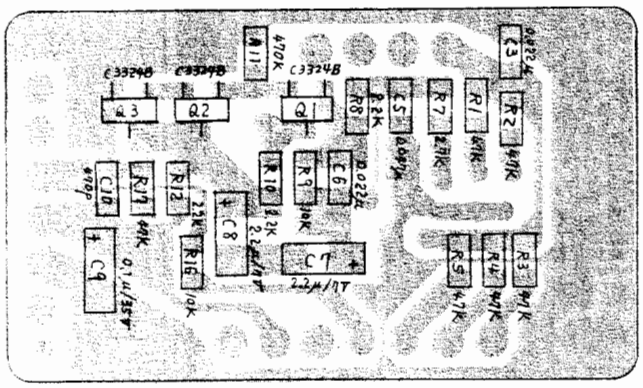
■ UHF PLL, VCO PC BOARD



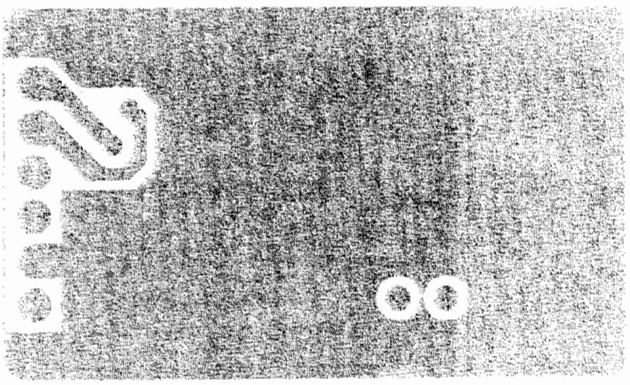
PLL (Part)



VCO (Part)

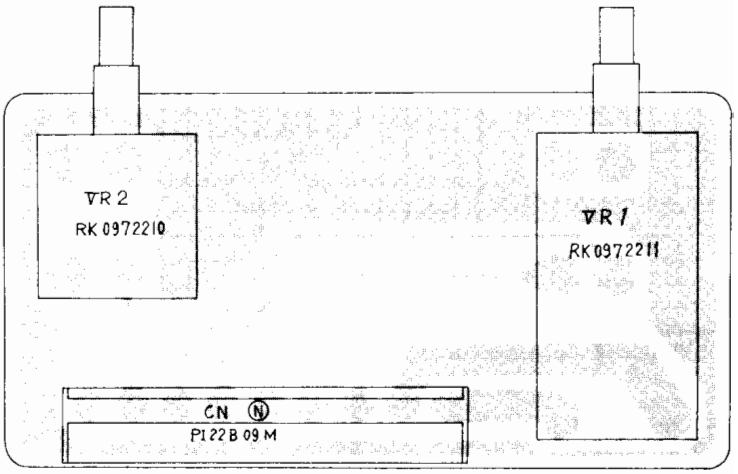


PLL (Solder)



VCO (Solder)

■ VOL PC BOARD



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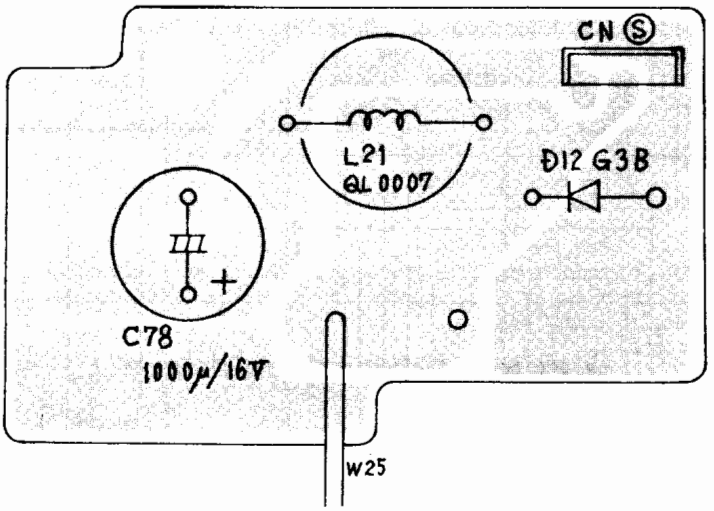

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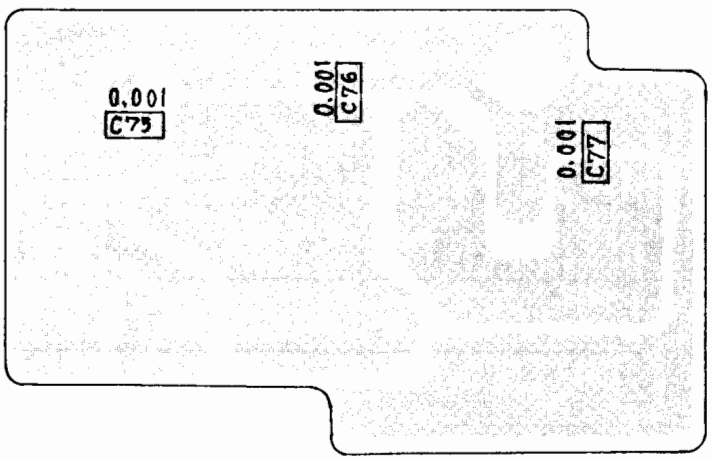

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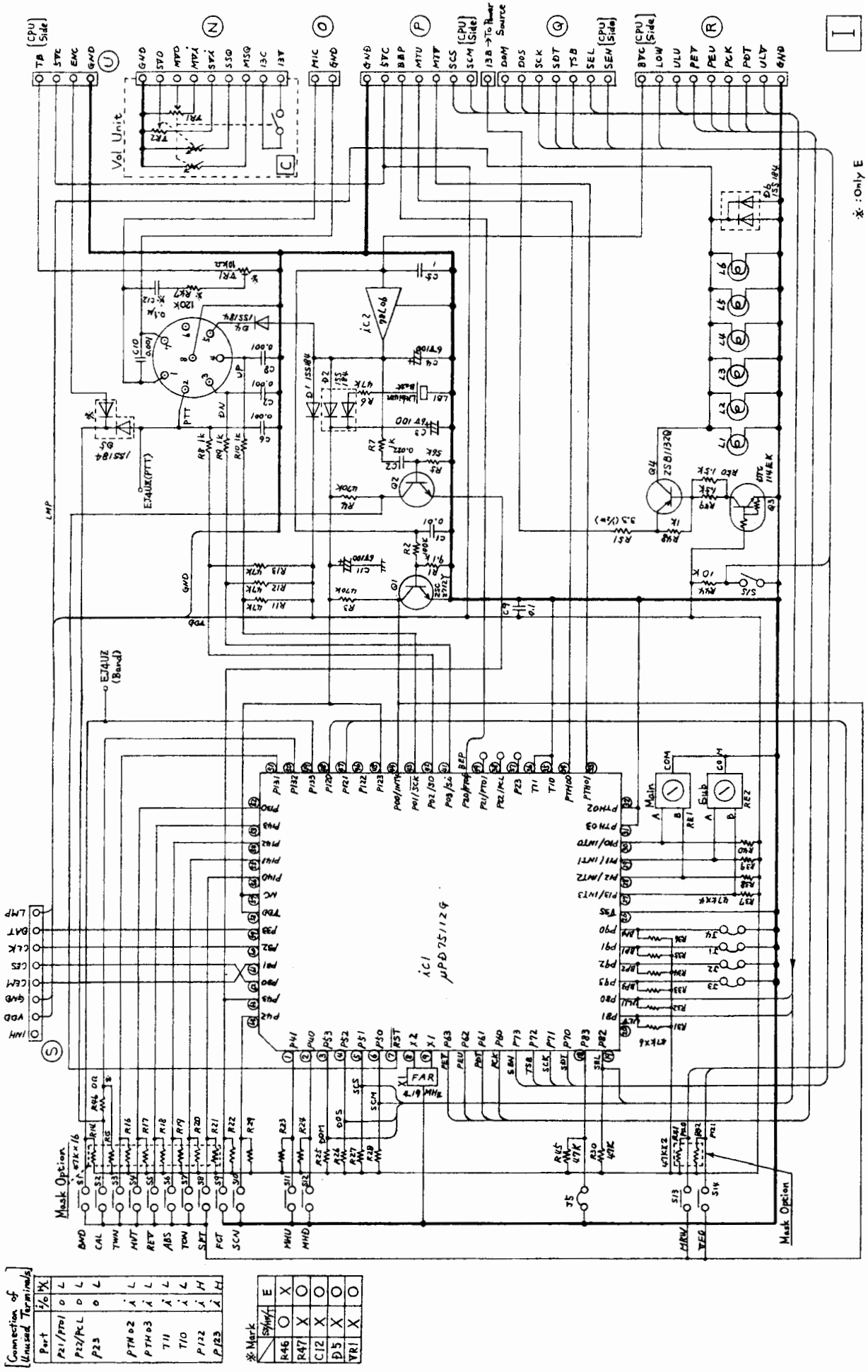
■ CPU SCHEMATIC DIAGRAM



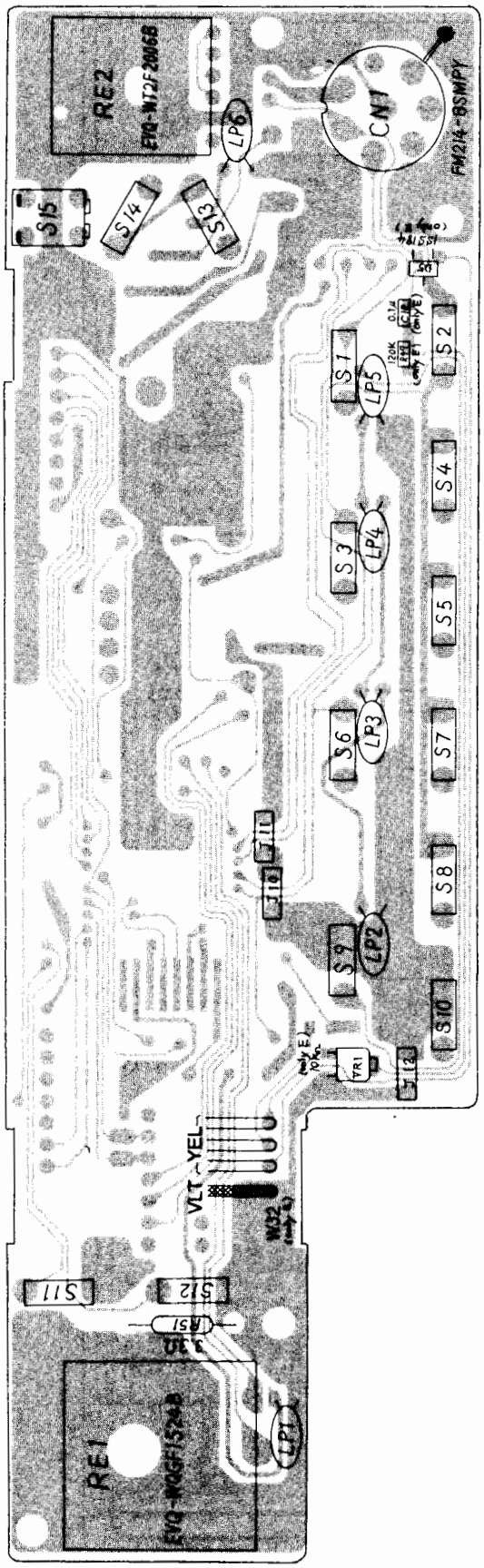
Connection of Unused Terminals

Port	I/O	
P21/PTO1	O	L
P22/PCL	O	L
P23	O	L
PTH02	I	L
PTH03	I	L
T11	I	L
T10	I	L
P122	I	H
P123	I	H

※ Mark

SW#	E
R46	O
R47	X
C12	X
D5	X
VR1	X

■ CPU PC BOARD



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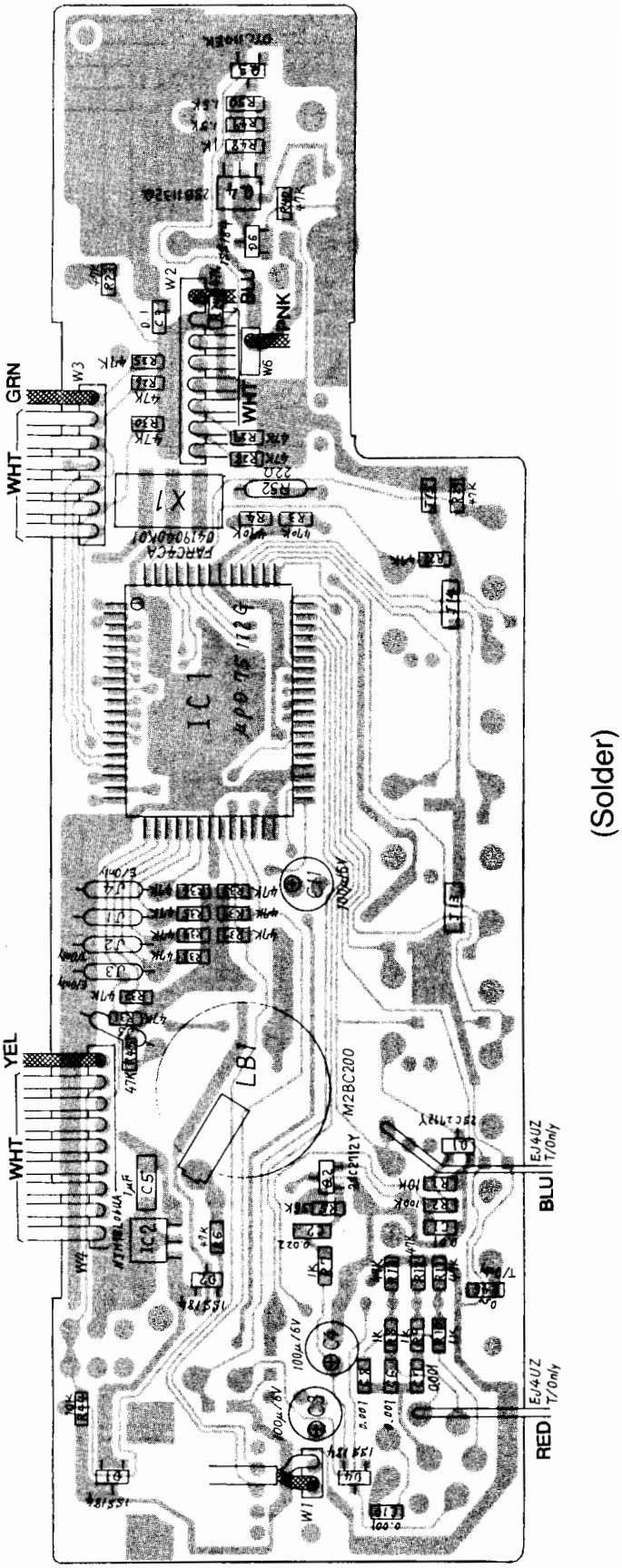

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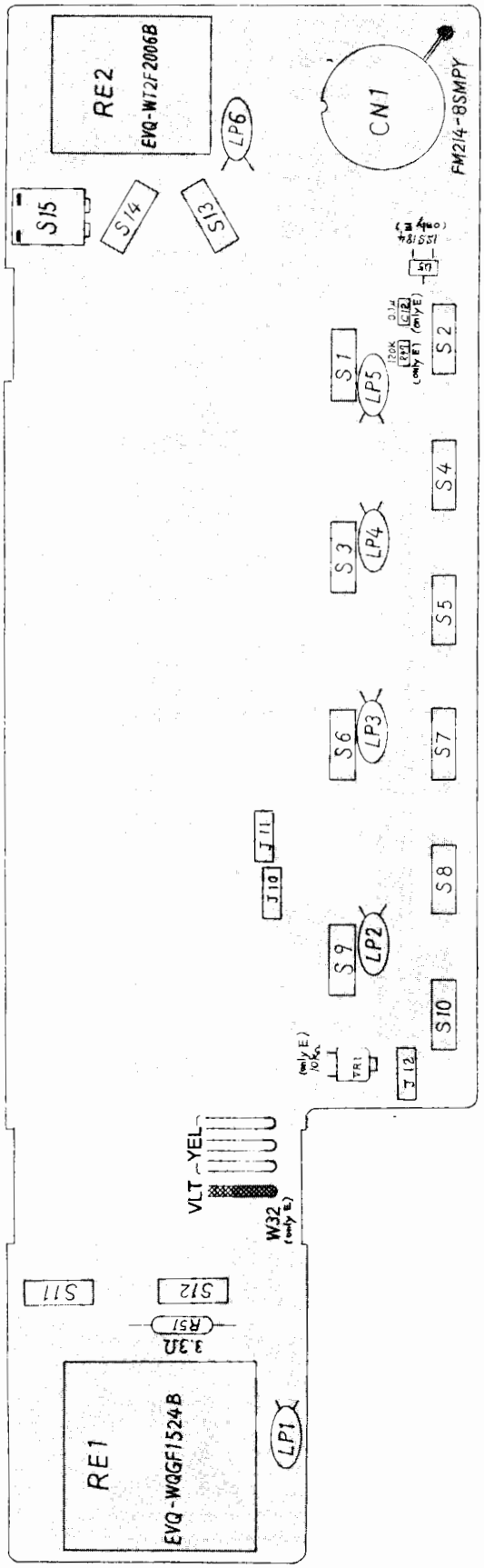
■ CPU PC BOARD



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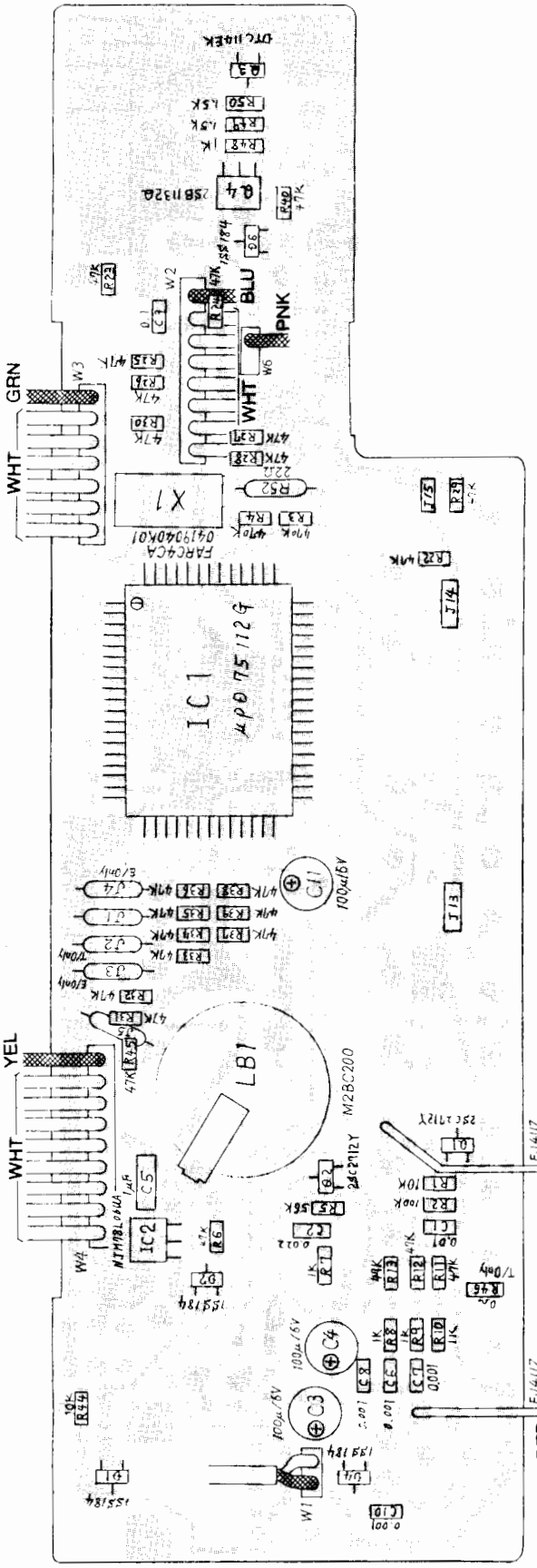

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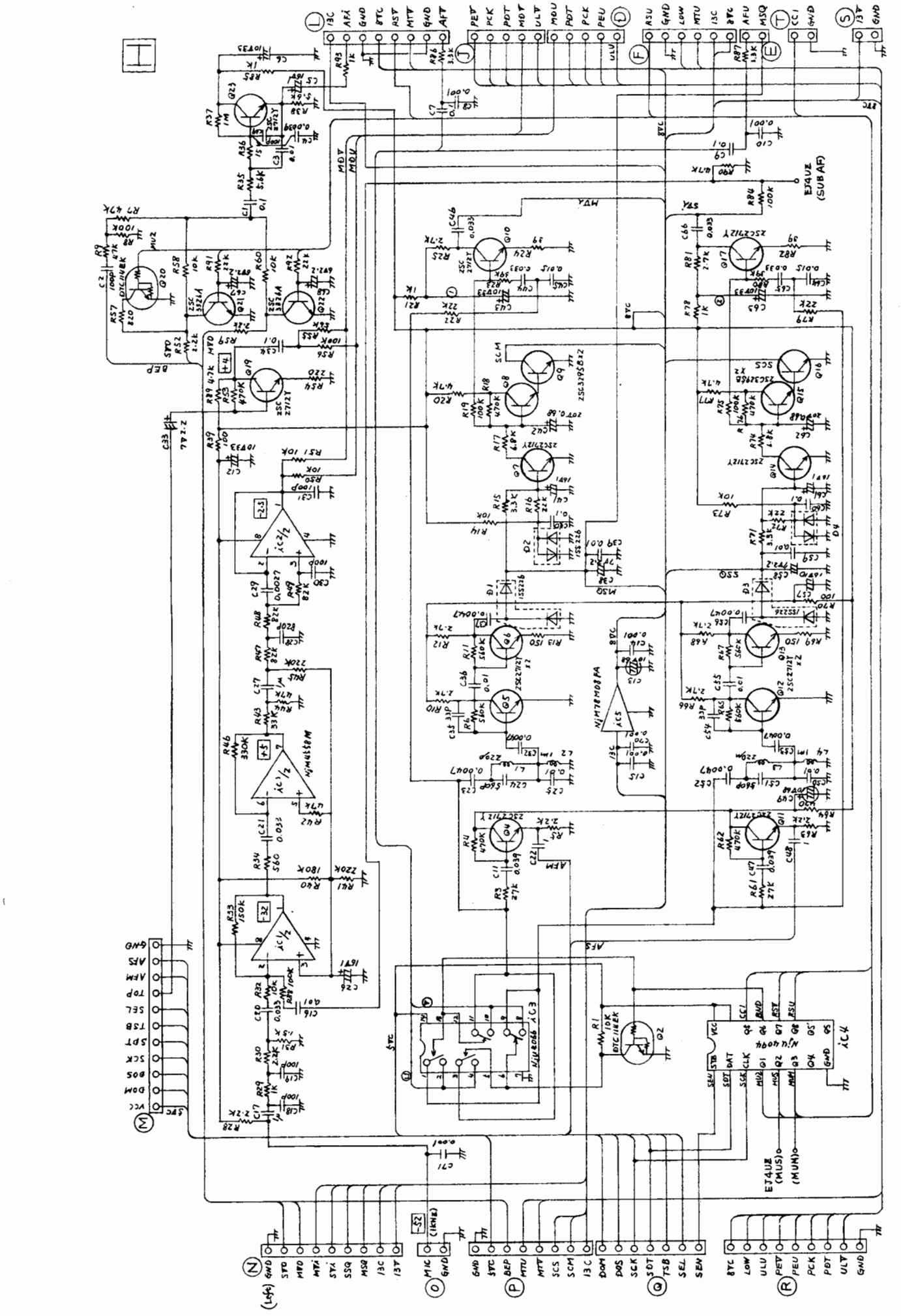
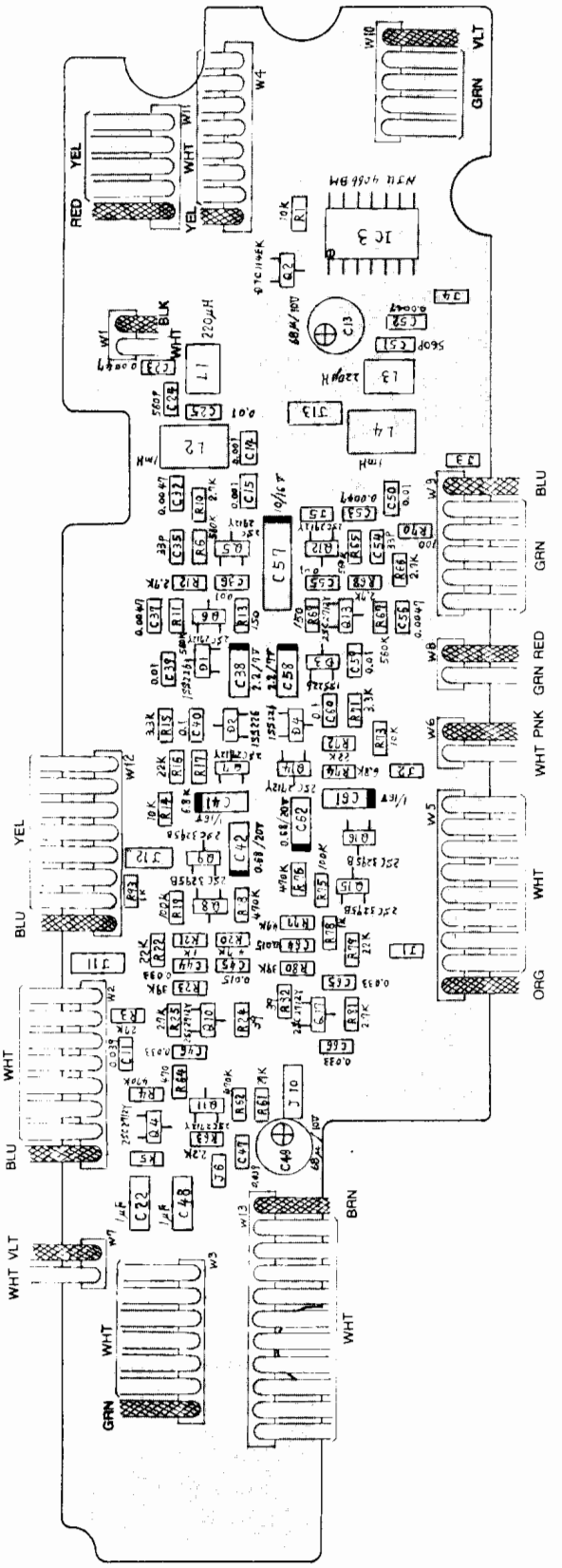
■ CONTROL SCHEMATIC DIAGRAM



■ CONTROL PC BOARD



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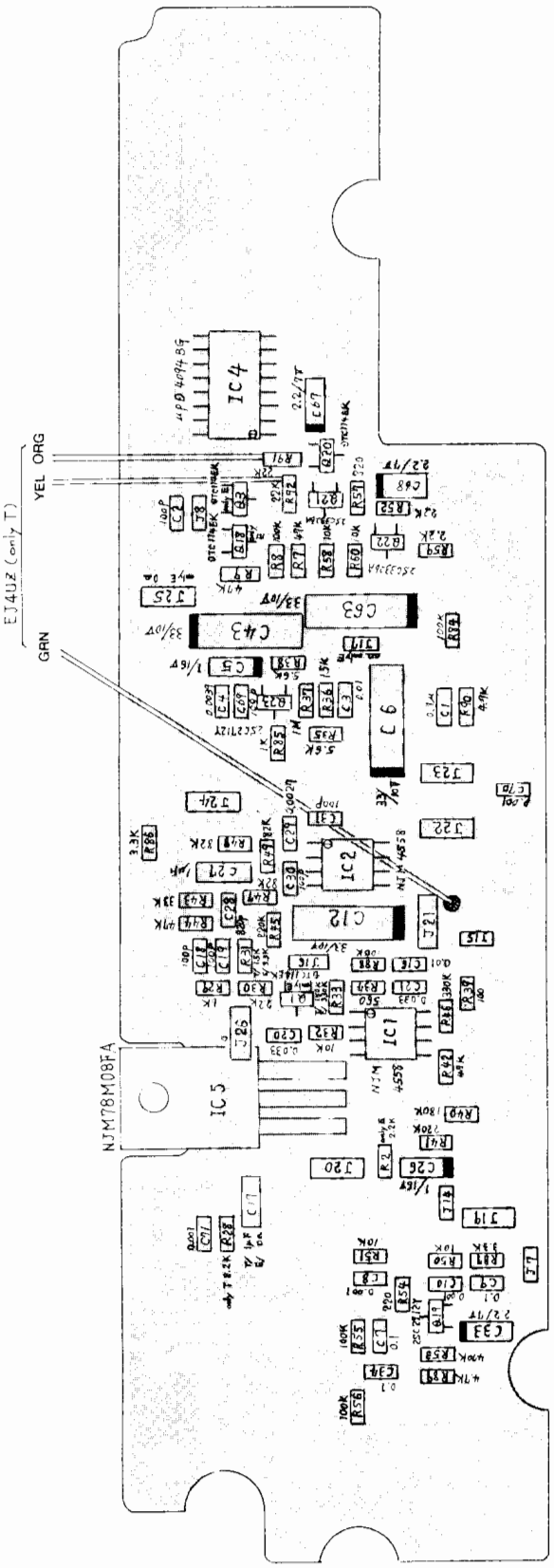

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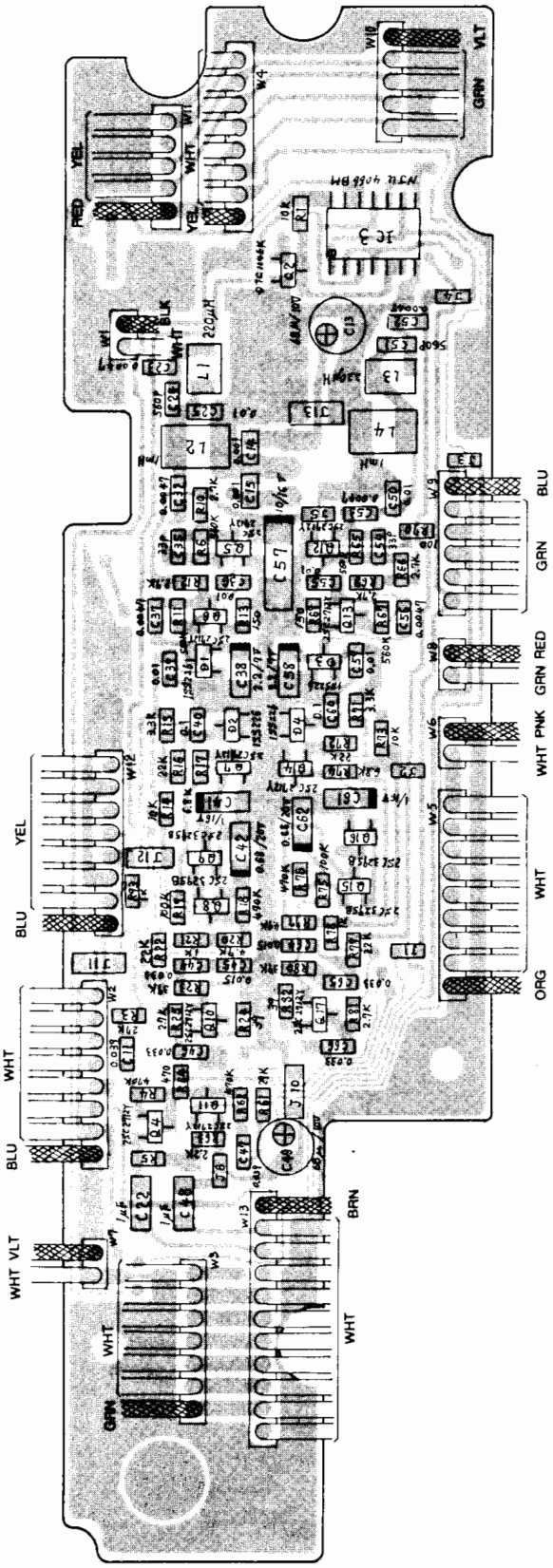

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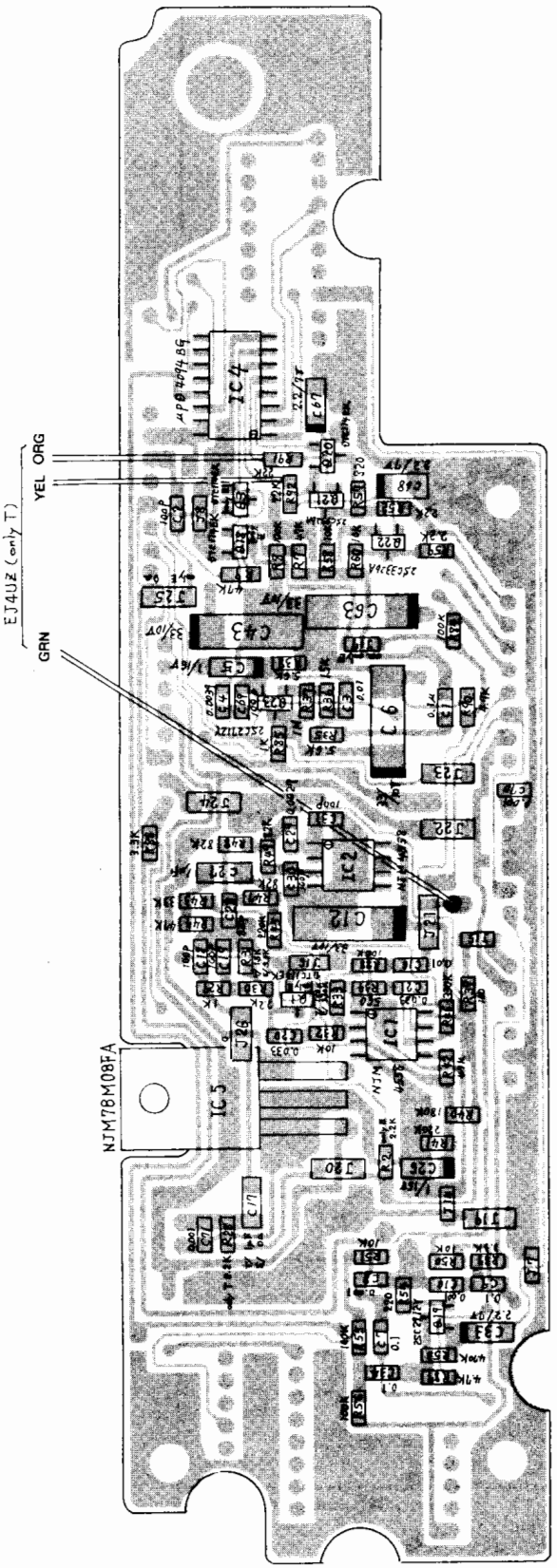

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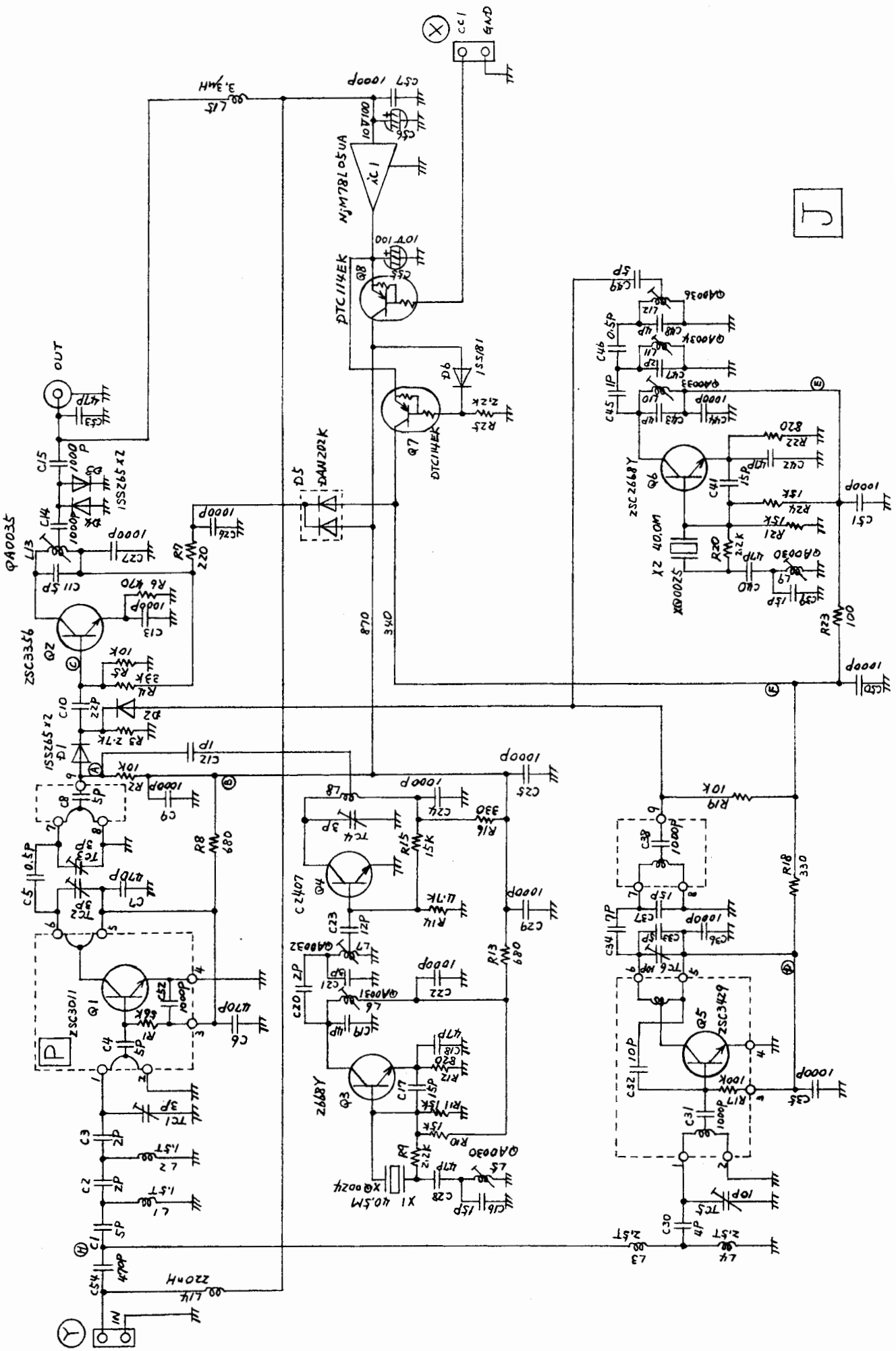
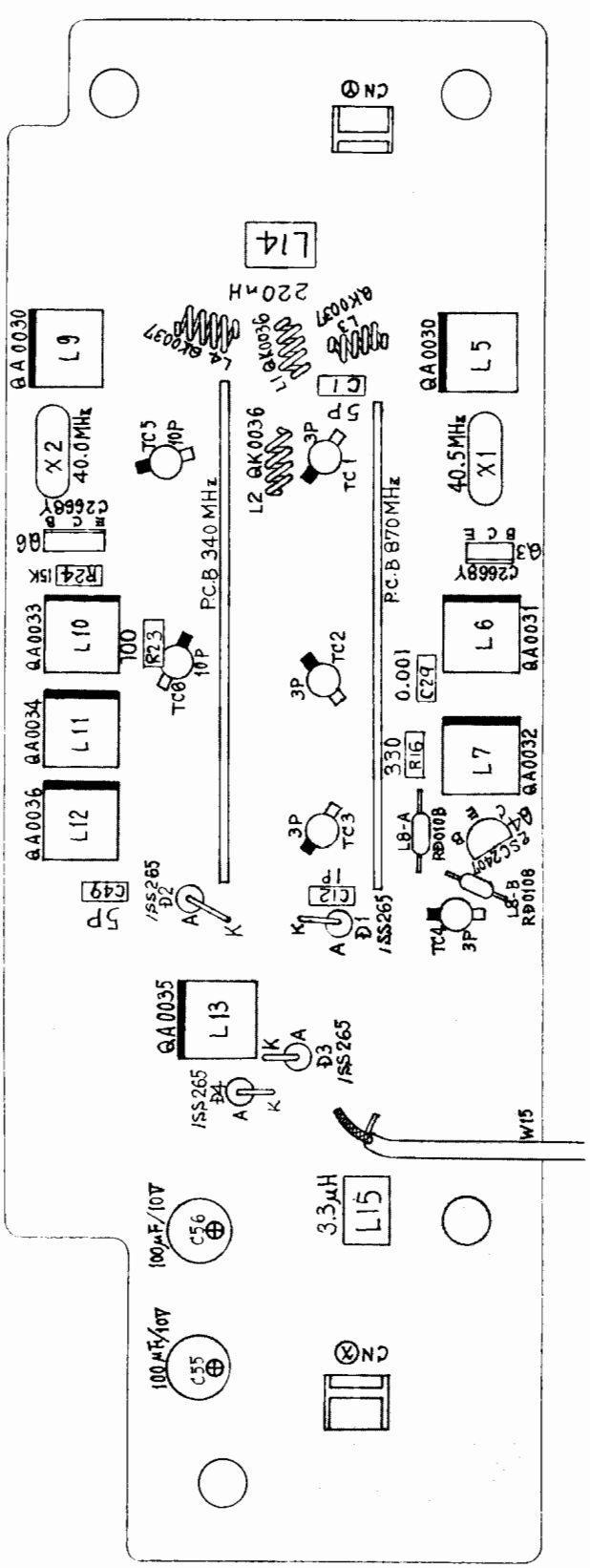
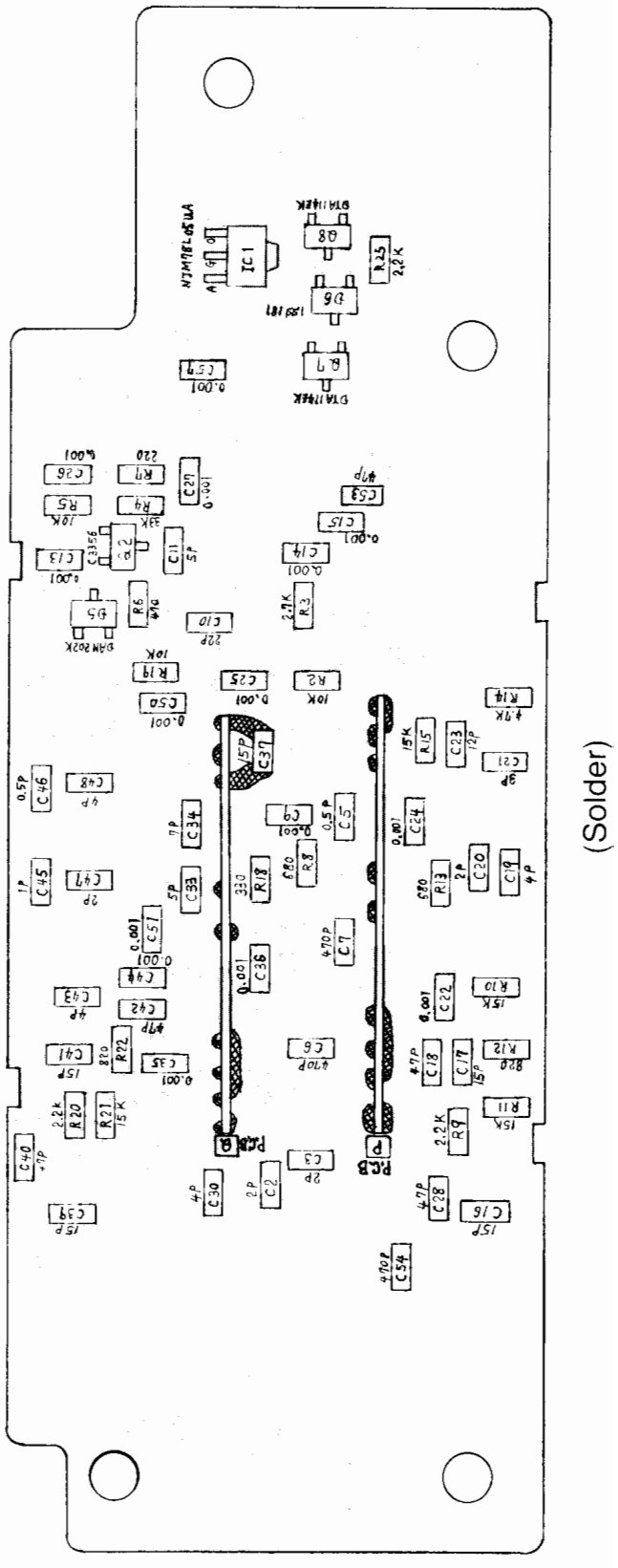
■ X'CON SCHEMATIC DIAGRAM



■ X'CON PC BOARD





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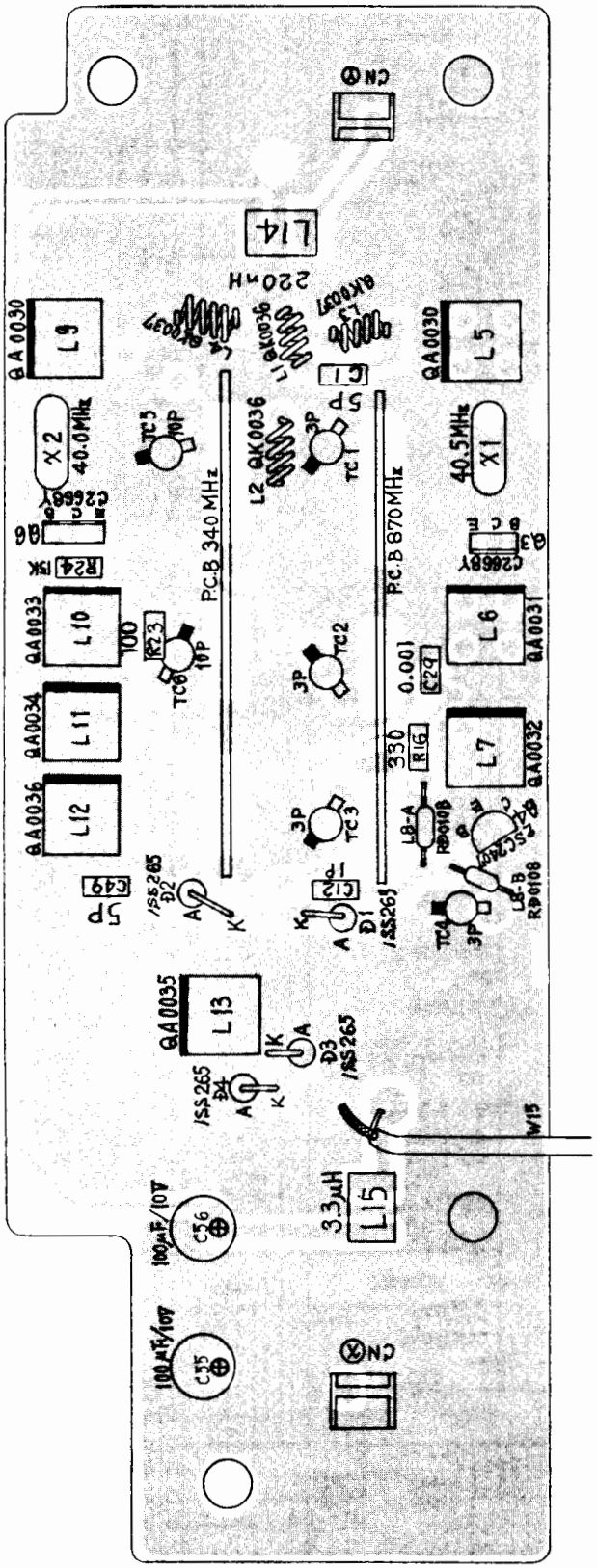
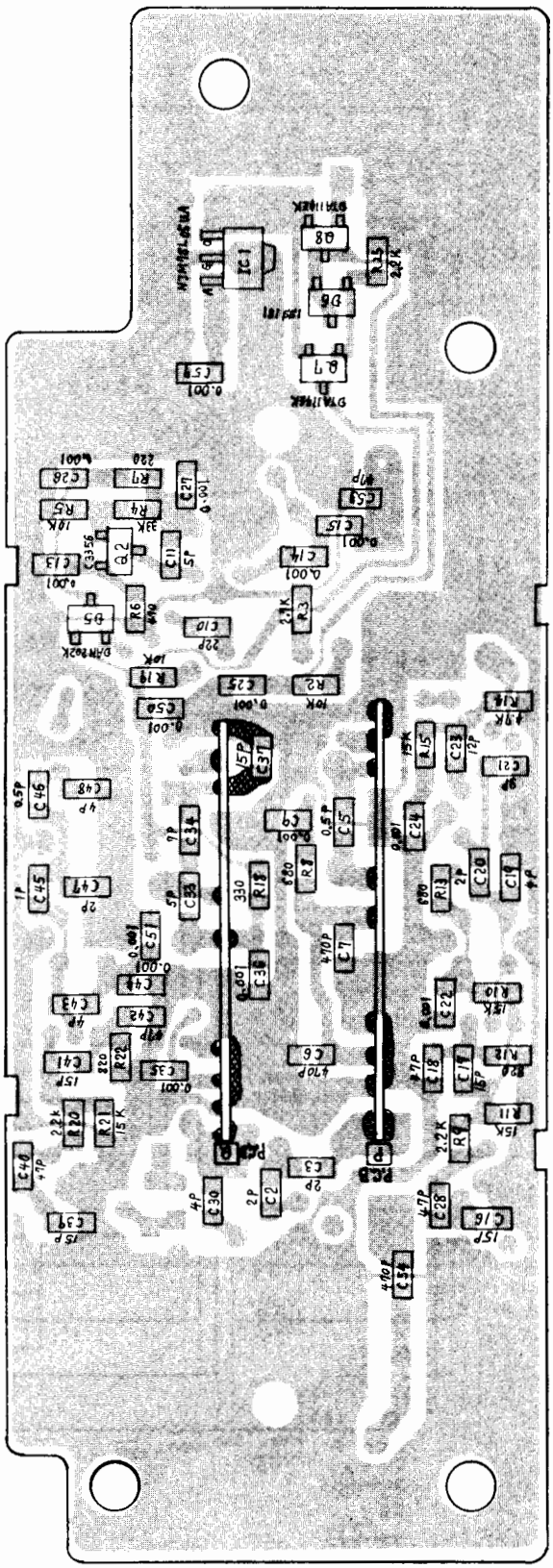
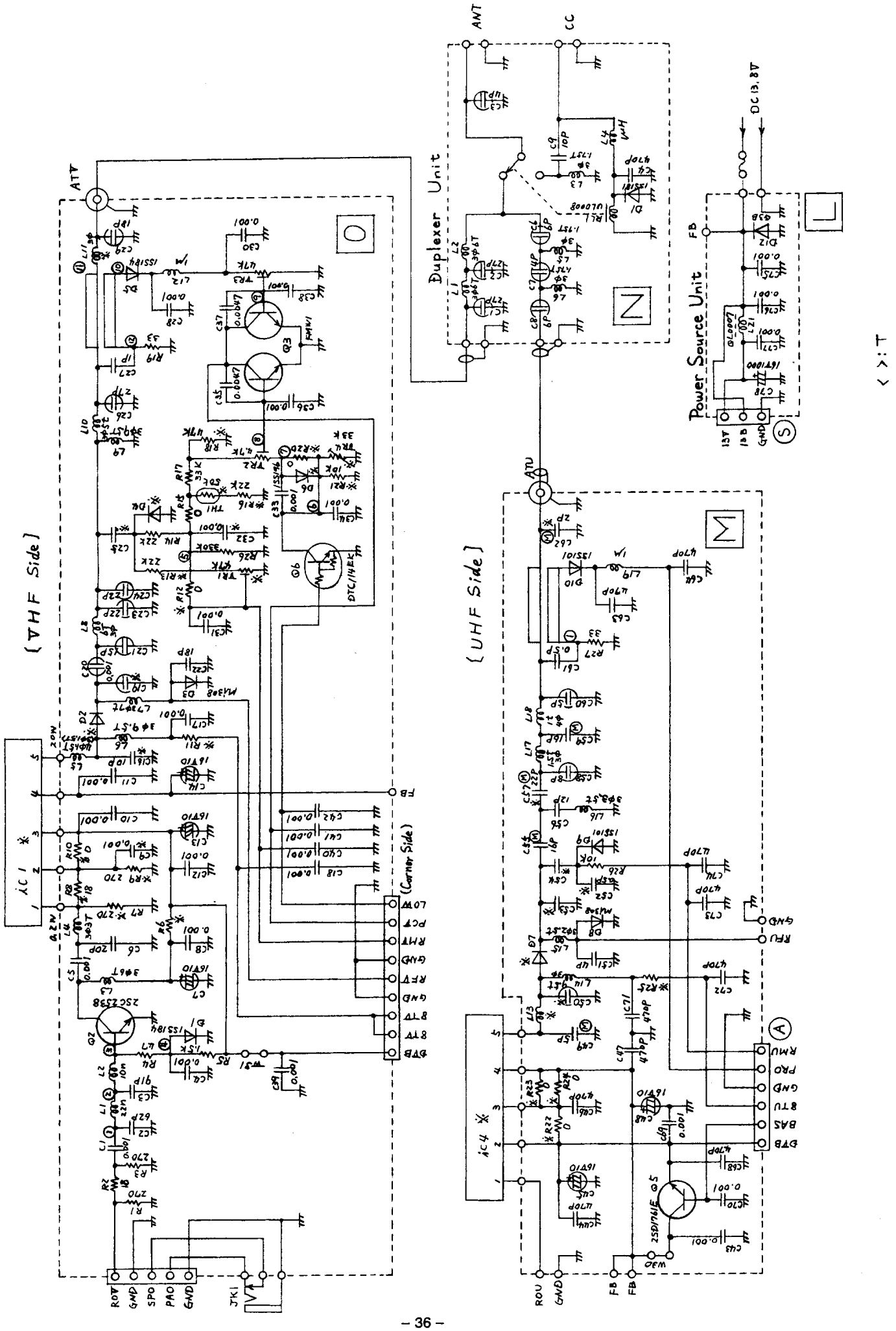
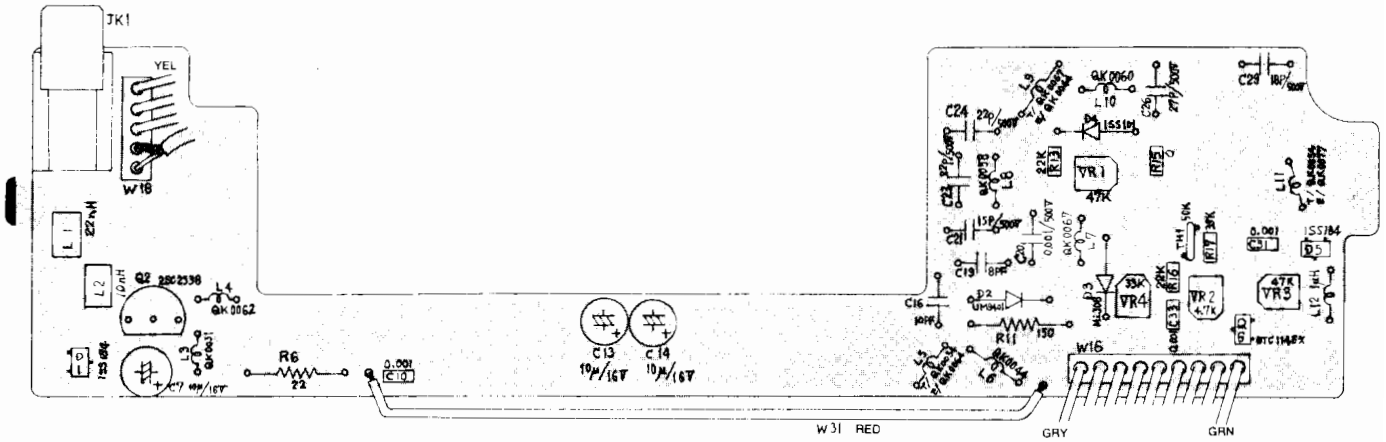




■ FINAL, DUPLEXER SCHEMATIC DIAGRAM



■ VHF FINAL PC BOARD



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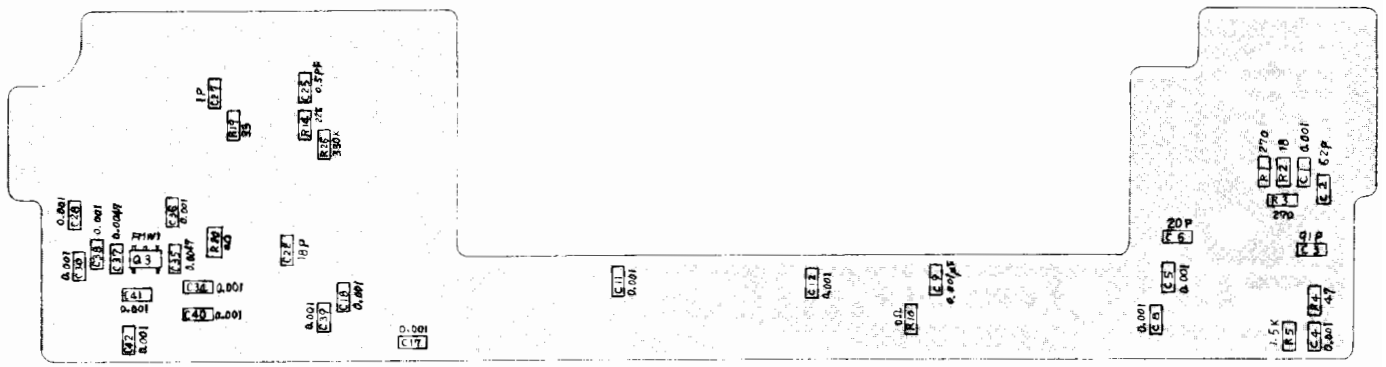

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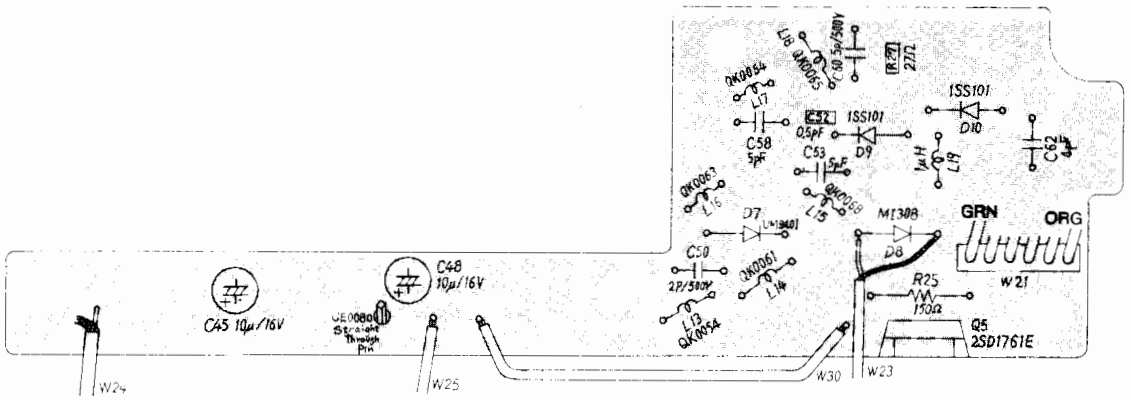

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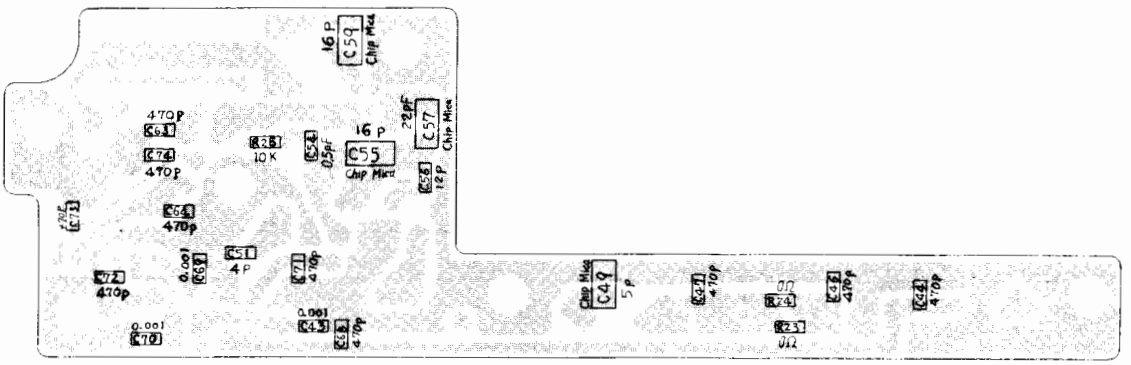

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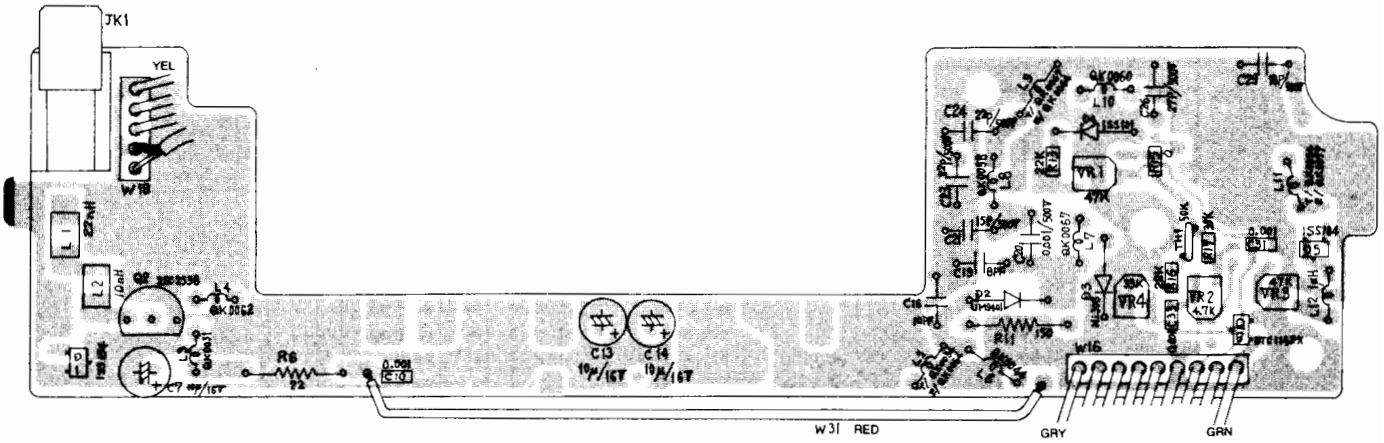

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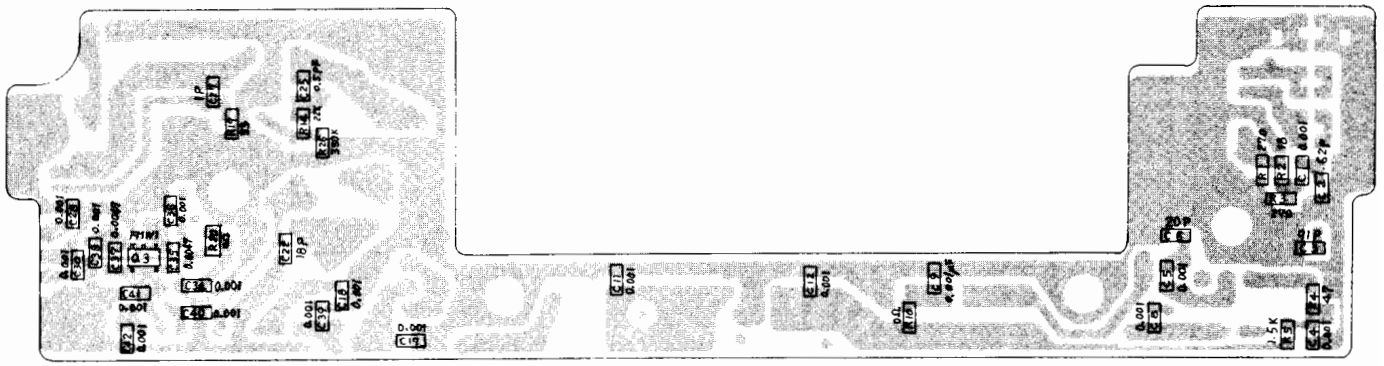

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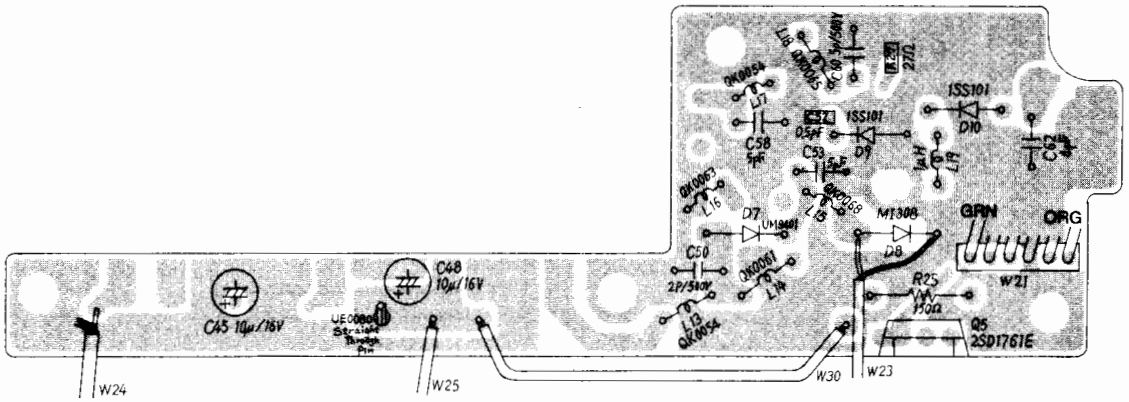

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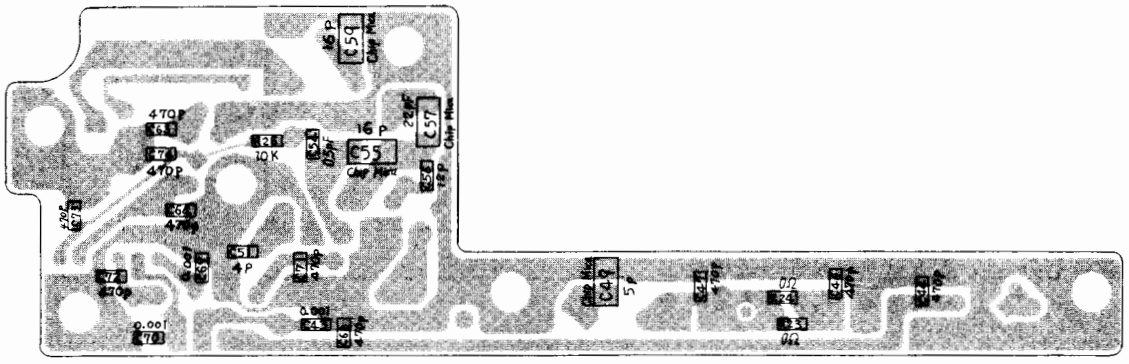

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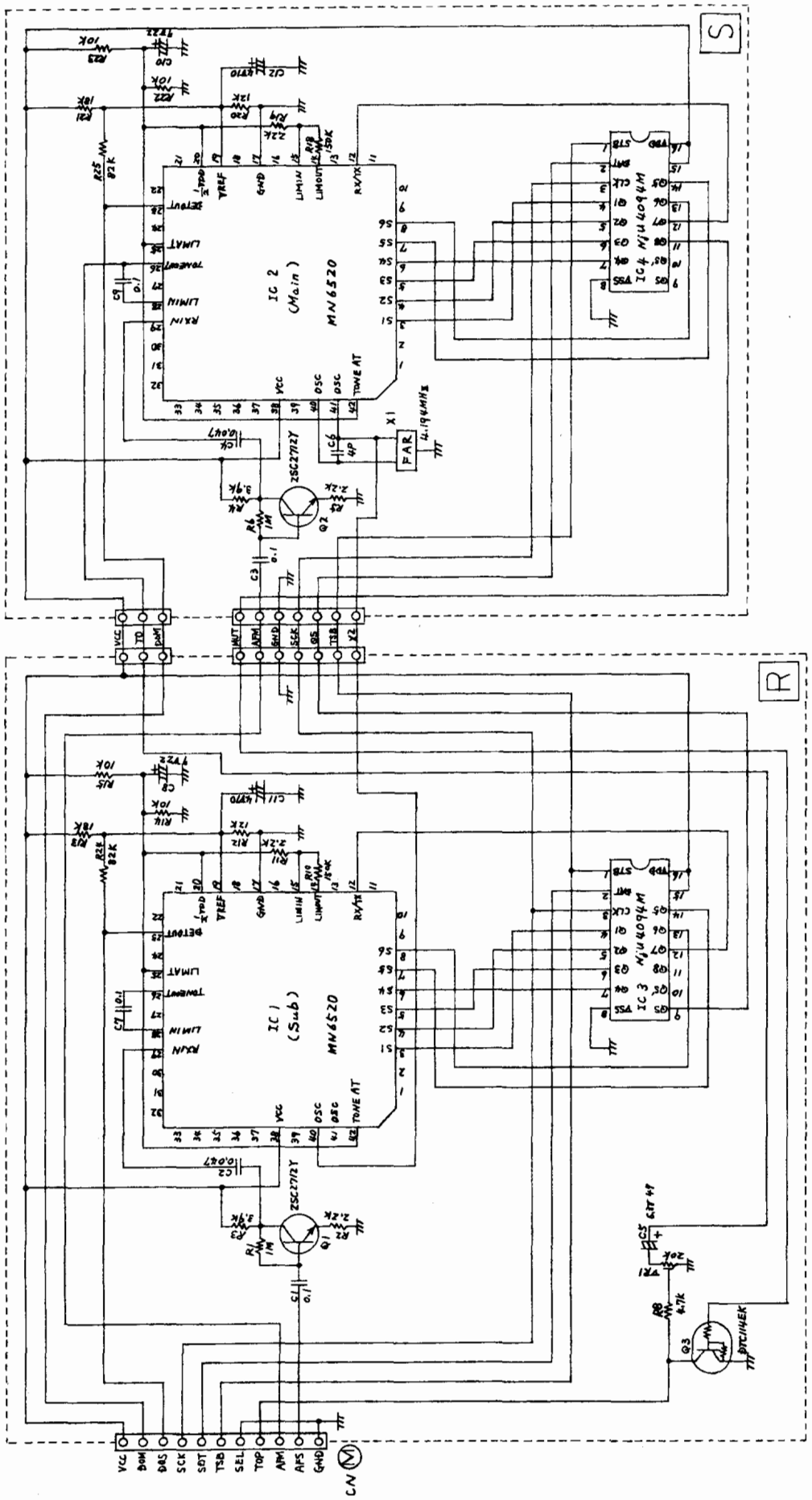
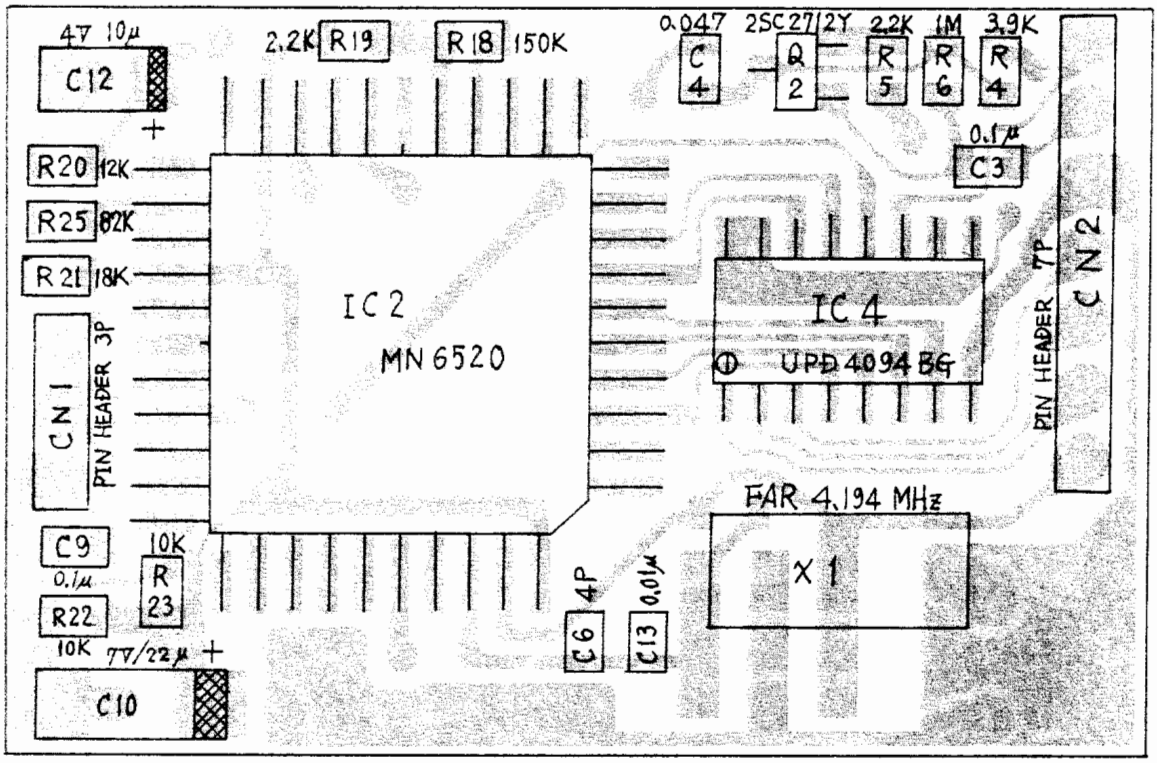
■ CTCSS SCHEMATIC DIAGRAM (T only)



■ CTCSS PC BOARD (T only)



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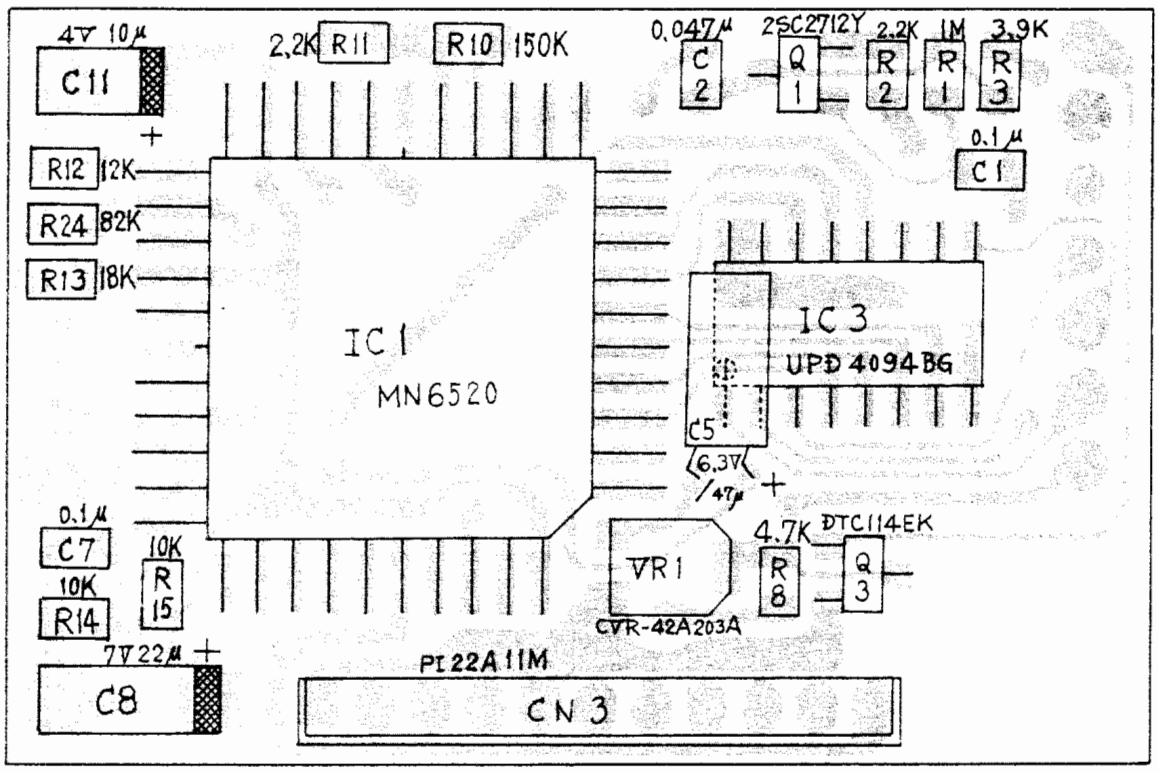

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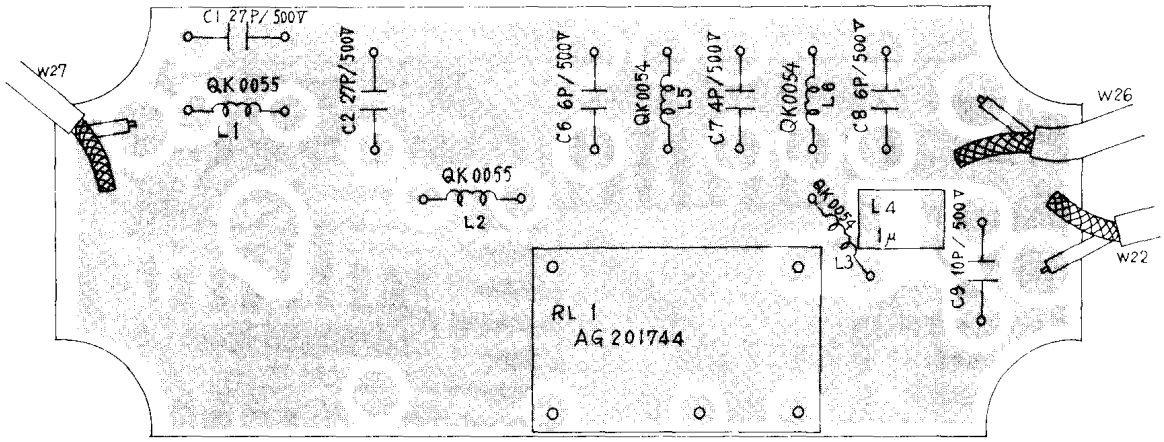
■ DUPLEXER PC BOARD



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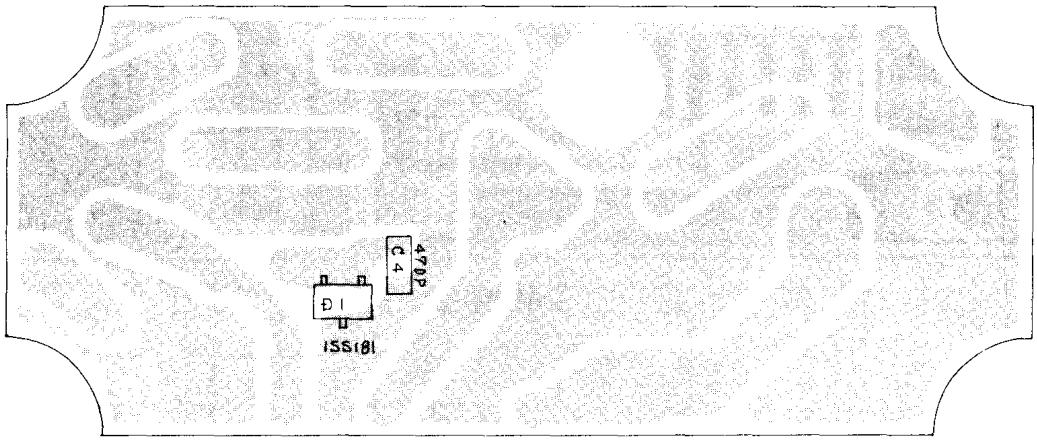

(Solder)

■ TONE SQUELCH SCHEMATIC DIAGRAM